

23 Documents

Publication numbers	Title	Current assignees
CN208914227U U	Roller dust-free grooving machine	ZUNYI SHANGBAIHUI PRINTING
CN207416103U U	Paper conversion groover with dust removal function	FOSHAN NANHAI TAIYU PAPER
CN207290238U U	High -efficient weaving paper tube groover	YANCHENG MINGLEI TEXTILE EQUIPMENT
CN207088575U U	Corrugated board printing is fabric wheel structure for groover	TIANJIN YIXUAN PACKING PRODUCTS
CN207044774U U	Packing carton groover automatic feed mechanism	DONGGUAN AOYUE PAPER PRODUCTS PACKAGING
CN207028320U U	Groover with automatically, carry function	DONGGUANG CANGHAI
CN205766398U U	Novel grooving machine	ZHEJIANG YUESHENG JOINT PUBLISHING & PRINTING
CN205767957U U	Corrugated paper production detecting system	CHUZHOU CIGARETTE MATERIALS FACTORY
CN205343230U U	Paper pipe grooving machine	YUEQING LONGDE INDUSTRIAL PAPER TUBE
CN204954917U U	Automatic groover is cut to cardboard strip	ZHANG ZHIYONG
CN204914705U U	Corrugated container board groover	SHENZHEN WONDER PRINTING SYSTEM
CN204749354U U	Carton groover	LIHUA XINJIN PRINTING PACKGING
CN204222288U U	Novel paperboard automation slotting device	HUCAIS PRINTING ARTS
CN203236756U U	Paper box printing and groove forming combined system	TIANJIN JIANBANG PACKAGING PRODUCT
CN202412794U U	Safety grooving machine convenient to operate	ZHENG RUPENG
CN201833399U U	Paper pipe grooving machine	ZHEJIANG LIANDA CHEMICAL FIBER
CN201900738U U	Combinative cutting knife type paper board grooving machine	CHEN SHUZH
EP2452811 A1	Slotter, cutting method	MITSUBISHI HEAVY INDUSTRIES PRINTING & PACKAGING MACHINERY
CN201275895U Y	Printing groover with printing portion equipped with all-servo paper feeding system	SHANGHAI DINGLONG MACHINERY
CN201267893U Y	Grooving machine for paperboard or density board	CHEN ZILI
CN101301797 A	Print groover with die-cutting portion equipped with rubber	SHANGHAI DINGLONG

Publication numbers	Title	Current assignees
	cushion roller speed-chasing mechanism	MACHINERY
EP1867478 A2	Joint control of setting for printing cylinders and applicator rolls	KOENIG & BAUER
CN2737536U Y	Slotting machine for slabs	YANG ZHI

Roller dust-free grooving machine

CN208914227U U

Current assignees

ZUNYI SHANGBAIHUI PRINTING*

Inventors

CHEN KEYONG

CHEN WANZHE

Priority data including date

2018CN-U1774975 2018-10-31

IPC - International classification

B26D-003/06*

B26D-007/06

B26D-007/18

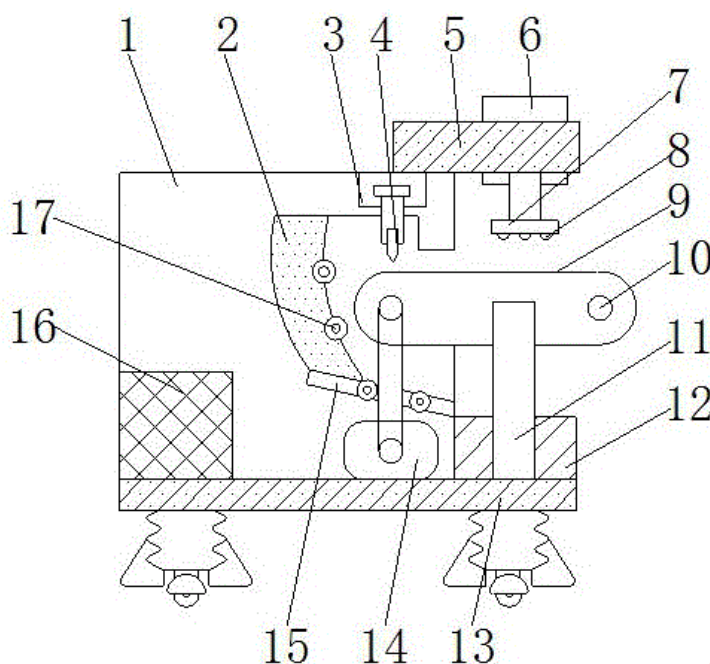
Family[CN208914227](#)

U 2019-05-31



(CN208914227)

The utility model discloses a roller dust-free grooving machine. The device comprises a case and a base, wherein a case is arranged above the base; a first air cylinder is arranged at the top end in the case; a milling cutter is mounted below a piston rod of the first cylinder; a feeding hole is formed in the left side of the case; dust collection chambers are arranged at the left end and the right end of the position, where the feeding port is located, of the machine box. and fans are installed in the dust collection chambers correspondingly, dust removal frames are installed outside the positions, where the dust collection chambers are located, of the machine box correspondingly, a fixing box is arranged at the upper end of the machine box, a second air cylinder is arranged in the fixingbox, a pressing plate is installed below a piston rod of the second air cylinder, and a pressing roller is installed below the pressing plate. Through the arrangement of the pressing plate, the pressing roller, the draught fan and the dust collection chamber, the problems that the working environment is polluted when a packaging box is machined, and position deviation occurs to the packaging boxin the grooving process are solved.



Latest standardized assignees - inventors removed

ZUNYI SHANGBAIHUI PRINTING

Publication numbers

CN208914227

Abstract

(CN208914227)

The utility model discloses a roller dust-free grooving machine. The device comprises a case and a base, wherein a case is arranged above the base; a first air cylinder is arranged at the top end in the case; a milling cutter is mounted below a piston rod of the first cylinder; a feeding hole is formed in the left side of the case; dust collection chambers are arranged at the left end and the right end of the position, where the feeding port is located, of the machine box. and fans are installed in the dust collection chambers correspondingly, dust removal frames are installed outside the positions, where the dust collection chambers are located, of the machine box correspondingly, a fixing box is arranged at the upper end of the machine box, a second air cylinder is arranged in the fixingbox, a pressing plate is installed below a piston rod of the second air cylinder, and a pressing roller is installed below the pressing plate. Through the arrangement of the pressing plate, the pressing roller, the draught fan and the dust collection chamber, the problems that the working environment is polluted when a packaging box is machined, and position deviation occurs to the packaging box in the grooving process are solved.

Inventors

CHEN KEYONG

CHEN WANZHE

Title

Roller dust-free grooving machine

Publication numbers with kind code & date[CN208914227](#) U 2019-05-31 CN208914227U**Current assignees**

ZUNYI SHANGBAIHUI PRINTING

Original document**Earliest application date**

2018-10-31

TI

Roller dust-free grooving machine

Paper conversion groover with dust removal function

CN207416103U U

Current assignees

FOSHAN NANHAI TAIYU PAPER*

Inventors

YANG GANG

Priority data including date

2017CN-U1517411 2017-11-15

IPC - International classification

B31B-050/22*

B31B-050/74

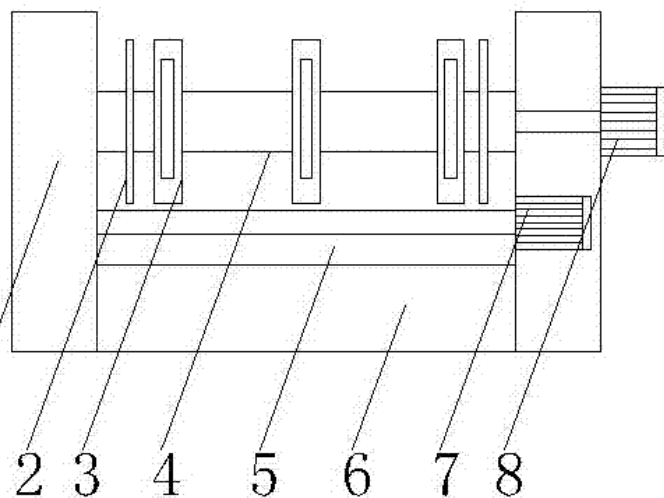
Family[CN207416103](#)

U 2018-05-29



(CN207416103)

The utility model discloses a paper conversion groover with dust removal function, including groover organism, fluting cutting edge, scrap collecting tank, removal pressed sheet, fan and hydraulic pump, be provided with the live -rollers between the groover organism, the outside bilateral symmetry of live -rollers is provided with the side cut cutting edge, the live -rollers below is provided with the squeeze roll, the squeeze roll below is provided with scrap collecting tank, scrap collecting tank has seted up the garbage collection mouth in the upper end, garbage collection mouth right sidebottom is fixed with the bottom plate, and is fixed with the hydraulic pump on the bottom plate, the hydraulic pump passes through hydraulic pressure oil pipe and pneumatic cylinder sealing connection, the pneumatic cylinder front end is fixed with the removal pressed sheet, the fan is installed to scrap collecting tank right side wall upper end. The utility model discloses a set up fluting cutting edge, scrap collecting tank, removal pressed sheet, fan and hydraulic pump, solved on the market waste material waste residue clearance inconvenient problem that the groover produced at the in -process of cutting edge of slotting.



Latest standardized assignees - inventors removed

FOSHAN NANHAI TAIYU PAPER

Publication numbers

CN207416103

Abstract

(CN207416103)

The utility model discloses a paper conversion groover with dust removal function, including groover organism, fluting cutting edge, scrap collecting tank, removal pressed sheet, fan and hydraulic pump, be provided with the live -rollers between the groover organism, the outside bilateral symmetry of live -rollers is provided with the side cut cutting edge, the live -rollers below is provided with the squeeze roll, the squeeze roll below is provided with scrap collecting tank, scrap collecting tank has seted up the garbage collection mouth in the upper end, garbage collection mouth right sidebottom is fixed with the bottom plate, and is fixed with the hydraulic pump on the bottom plate, the hydraulic pump passes through hydraulic pressure oil pipe and pneumatic cylinder sealing connection, the pneumatic cylinder front end is fixed with the removal pressed sheet, the fan is installed to scrap collecting tank right side wall upper end. The utility model discloses a set up fluting cutting edge, scrap collecting tank, removal pressed sheet, fan and hydraulic pump, solved on the market waste material waste residue clearance inconvenient problem that the groover produced at the in -process of cutting edge of slotting.

Inventors

YANG GANG

Title

Paper conversion groover with dust removal function

Publication numbers with kind code & date[CN207416103](#) U 2018-05-29 CN207416103U**Current assignees**

FOSHAN NANHAI TAIYU PAPER

Original document**Earliest application date**

2017-11-15

TI

Paper conversion groover with dust removal function

High -efficient weaving paper tube groover CN207290238U U

Current assignees

YANCHENG MINGLEI TEXTILE EQUIPMENT*

Inventors

ZHENG HAILEI

Priority data including date

2017CN-U1177044 2017-09-14

IPC - International classification

B26D-003/06*

B26D-005/00

B26D-007/18

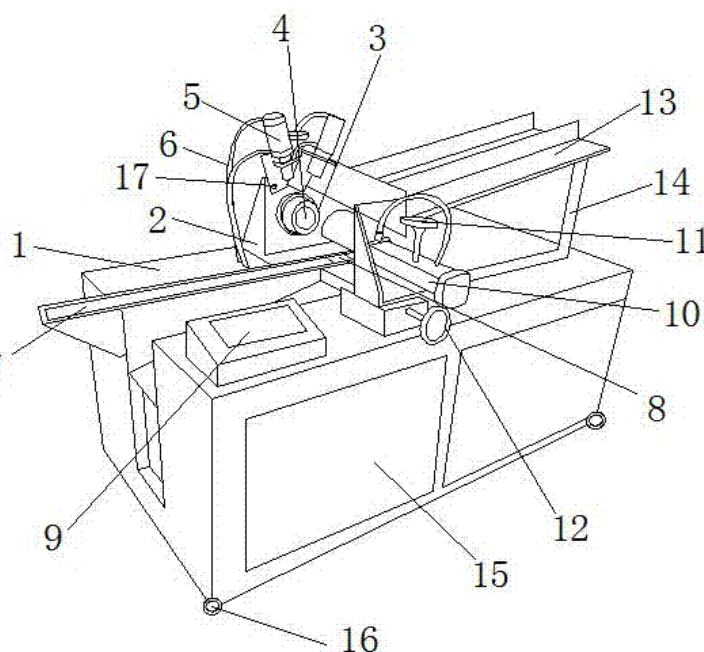
Family[CN207290238](#)

U 2018-05-01



(CN207290238)

The utility model discloses a high -efficient weaving paper tube groover, including machine main part and channelled rail, the upper end of machine main part is equipped with the controller, and the lower extreme of machine main part is equipped with the gyro wheel, machine main part and channelled rail fixed connection, one side of channelled rail is equipped with the operation fixed station, and channelled rail's opposite side is equipped with fixed cylinder, channelled rail's surface is equipped with inhales the material mouth, the one end of operation fixed station is equipped with the grooving rotating knife, and the surface of grooving rotating knife is equipped with the marking off runner. A high -efficient weaving paper tube groover, be equipped with the marking off runner, inhale material mouthful and controller, can be accurate carry out the grooving to can collect the sweeps that the grooving in - process produced in device inside, avoid the normal grooving work of sweeps influence, and can also make the device can carry out work according to the work flow that set in advance is good, be suitable for different working conditions, bring better use prospect.



Latest standardized assignees - inventors removed

YANCHENG MINGLEI TEXTILE EQUIPMENT

Publication numbers

CN207290238

Abstract

(CN207290238)

The utility model discloses a high -efficient weaving paper tube groover, including machine main part and channelled rail, the upper end of machine main part is equipped with the controller, and the lower extreme of machine main part is equipped with the gyro wheel, machine main part and channelled rail fixed connection, one side of channelled rail is equipped with the operation fixed station, and channelled rail's opposite side is equipped with fixed cylinder, channelled rail's surface is equipped with inhales the material mouth, the one end of operation fixed station is equipped with the grooving rotating knife, and the surface of grooving rotating knife is equipped with the marking off runner. A high -efficient weaving paper tube groover, be equipped with the marking off runner, inhale material mouthful and controller, can be accurate carry out the grooving to can collect the sweeps that the grooving in -process produced in device inside, avoid the normal grooving work of sweeps influence, and can also make the device can carry out work according to the work flow that set in advance is good, be suitable for different working conditions, bring better use prospect.

Inventors

ZHENG HAILEI

Title

High -efficient weaving paper tube groover

Publication numbers with kind code & date[CN207290238](#) U 2018-05-01 CN207290238U**Current assignees**

YANCHENG MINGLEI TEXTILE EQUIPMENT

Original document**Earliest application date**

2017-09-14

TI

High -efficient weaving paper tube groover

Corrugated board printing is fabric wheel structure for groover CN207088575U U

Current assignees

TIANJIN YIXUAN PACKING PRODUCTS*

Inventors

ZHU XIAOKUO

Priority data including date

2017CN-U823755 2017-07-08

IPC - International classification

B31B-050/22*

B31B-050/25

B31B-050/88

B31F-001/20

Family

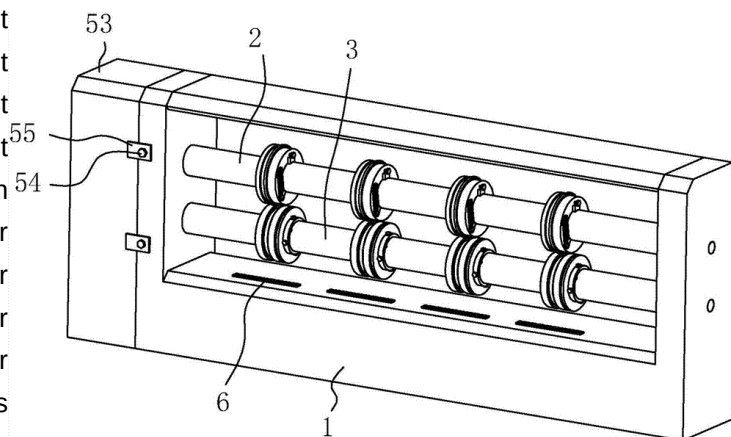
[CN207088575](#)

U 2018-03-13



(CN207088575)

The utility model discloses a corrugated board printing is fabric wheel structure for groover, its technical scheme main points are including the support body, line ball roller and lower line ball roller on the support body are connected in the rotation, the cover is equipped with a plurality of fabric wheels of going up on going up the line ball roller, upward the fabric wheel lateral wall is opened there is the joint groove, the one side slope setting of line ball roller is kept away from in the joint groove, it is equipped with the joint piece to inlay in the joint groove, joint piece protrusion joint groove sets up, on last fabric wheel threaded connection have with the locking bolt of joint piece looks butt, the cover is equipped with down the fabric wheel on the line ball roller down, all overlap the sleeve that is equipped with with lower fabric wheel looks butt on the lower line ball roller of lower fabric wheel both sides, threaded connection has and fixes the fixing bolt on the line ball roller under with the sleeve on the sleeve, the play of anchor ring epi relief has annular bulge loop outside last fabric wheel, open the annular recess that has with bulge loop looks adaptation under outside the fabric wheel on the anchor ring, reached and made things convenient for the interval between the adjacent fabric wheel of regulation, applicable corrugated container board indifferent specifications processes.



Latest standardized assignees - inventors removed

TIANJIN YIXUAN PACKING PRODUCTS

Publication numbers

CN207088575

Abstract

(CN207088575)

The utility model discloses a corrugated board printing is fabric wheel structure for groover, its technical scheme main points are including the support body, line ball roller and lower line ball roller on the support body are connected in the rotation, the cover is equipped with a plurality of fabric wheels of going up on going up the line ball roller, upward the fabric wheel lateral wall is opened there is the joint groove, the one side slope setting of line ball roller is kept away from in the joint groove, it is equipped with the joint piece to inlay in the joint groove, joint piece protrusion joint groove sets up, on last fabric wheel threaded connection have with the locking bolt of joint piece looks butt, the cover is equipped with down the fabric wheel on the line ball roller down, all overlap the sleeve that is equipped with with lower fabric wheel looks butt on the lower line ball roller of lower fabric wheel both sides, threaded connection has and fixes the fixing bolt on the line ball roller under with the sleeve on the sleeve, the play of anchor ring epirelief has annular bulge loop outside last fabric wheel, open the annular recess that has with bulge loop looks adaptation under outside the fabric wheel on the anchor ring, reached and made things convenient for the interval between the adjacent fabric wheel of regulation, applicable corrugated container board indifferent specifications processes.

Inventors

ZHU XIAOKUO

Title

Corrugated board printing is fabric wheel structure for groover

Publication numbers with kind code & date[CN207088575](#) U 2018-03-13 CN207088575U**Current assignees**

TIANJIN YIXUAN PACKING PRODUCTS

Original document**Earliest application date**

2017-07-08

TI

Corrugated board printing is fabric wheel structure for groover

Packing carton groover automatic feed mechanism

CN207044774U U

Current assignees

DONGGUAN AOYUE PAPER PRODUCTS PACKAGING*

Inventors

WANG XIAOYA

Priority data including date

2017CN-U933457 2017-07-29

IPC - International classification

B31B-050/04

B31B-050/22*

Family

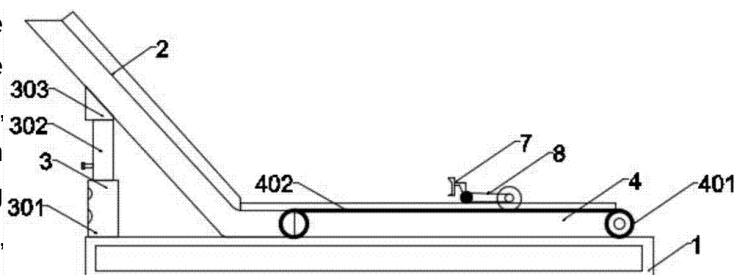
[CN207044774](#)

U 2018-02-27



(CN207044774)

The utility model discloses a packing carton groover automatic feed mechanism, including fixed frame, the high order end welding of frame has the feeding slide rail, through adjustable lift support connection between feeding slide rail and the fixed frame, the end -to -end connection of feeding slide rail has transport mechanism, transport mechanism has the shaft including conveying drive wheel and conveyer, the central cross -under of conveying drive wheel, thus the shaft wear out to install at fixed frame side from the steel column of the fixed frame in both sides, conveyor cup joints on the conveying drive wheel at both ends, the both sides of fixed frame are dug has sliding guide, installs the roll lead screw between the sliding guide, has cup jointed the feed collet on the roll leadscrew, and the terminal welding of going up the feed collet has the traction lever, and the end -to -end connection of traction lever has die clamping cylinder, and die clamping cylinder passes through the screw fixation at fixed frame side. The utility model discloses the fast stability of simple structure material loading is good, can also effectively carry out the packing carton transmission and with fixed, improve the fluting operating efficiency.



Latest standardized assignees - inventors removed

DONGGUAN AOYUE PAPER PRODUCTS PACKAGING

Publication numbers

CN207044774

Abstract

(CN207044774)

The utility model discloses a packing carton groover automatic feed mechanism, including fixed frame, the high order end welding of frame has the feeding slide rail, through adjustable lift support connection between feeding slide rail and the fixed frame, the end -to -end connection of feeding slide rail has transport mechanism, transport mechanism has the shaft including conveying drive wheel and conveyer, the central cross -under of conveying drive wheel, thus the shaft wear out to install at fixed frame side from the steel column of the fixed frame in both sides, conveyer cup joints on the conveying drive wheel at both ends, the both sides of fixed frame are dug has sliding guide, installs the roll lead screw between the sliding guide, has cup jointed the feed collet on the roll leadscrew, and the terminal welding of going up the feed collet has the traction lever, and the end -to -end connection of traction lever has die clamping cylinder, and die clamping cylinder passes through the screw fixation at fixed frame side. The utility model discloses the fast stability of simple structure material loading is good, can also effectively carry out the packing carton transmission and with fixed, improve the fluting operating efficiency.

Inventors

WANG XIAOYA

Title

Packing carton groover automatic feed mechanism

Publication numbers with kind code & date[CN207044774](#) U 2018-02-27 CN207044774U**Current assignees**

DONGGUAN AOYUE PAPER PRODUCTS PACKAGING

Original document**Earliest application date**

2017-07-29

TI

Packing carton groover automatic feed mechanism

Groover with automatically, carry function CN207028320U

Current assignees

DONGGUANG CANGHAI*

Inventors

SHI BINGHAI

Priority data including date

2017CN-U661602 2017-06-08

IPC - International classification

B31B-050/12

B31B-050/22*

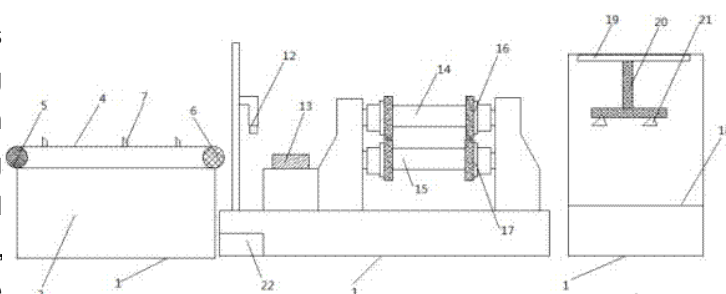
Family[CN207028320](#)

U 2018-02-23



(CN207028320)

The utility model provides a groover with automatically, carry function, includes the frame, be provided with cardboard conveyor, fluting device, delivery unit and drive arrangement in the frame, cardboard conveyor includes conveying platform, a last connected in star and the rolling device of setting up of conveying platform, be provided with conveyer in the strip connected in star, conveyer is including conveying chain, drive roll and driven vroller, drive roll and driven vroller are connected with the frame respectively, drive roll and driven vroller are connected with drive arrangement respectively, the conveying chain is connected with drive roll and driven vroller, be provided with the shifting block on the conveying chain, the design of shifting block makes the cardboard to carry automatically.



Latest standardized assignees - inventors removed

DONGGUANG CANGHAI

Publication numbers

CN207028320

Abstract

(CN207028320)

The utility model provides a groover with automatically, carry function, includes the frame, be provided with cardboard conveyor, fluting device, delivery unit and drive arrangement in the frame, cardboard conveyor includes conveying platform, a last connected in star and the rolling device of setting up of conveying platform, be provided with conveyer in the strip connected in star, conveyer is including conveying chain, drive roll and driven vroller, drive roll and driven vroller are connected with the frame respectively, drive roll and driven vroller are connected with drive arrangement respectively, the conveying chain is connected with drive roll and driven vroller, be provided with the shifting block on the conveying chain, the design of shifting block makes the cardboard to carry automatically.

Inventors

SHI BINGHAI

Title

Groover with automatically, carry function

Publication numbers with kind code & date[CN207028320](#) U 2018-02-23 CN207028320U**Current assignees**

DONGGUANG CANGHAI

Original document**Earliest application date**

2017-06-08

TI

Groover with automatically, carry function

Novel grooving machine

CN205766398U U

Current assignees

ZHEJIANG YUESHENG JOINT PUBLISHING & PRINTING*

Inventors

SHOU LINFEN

Priority data including date

2016CN-U704109 2016-06-30

IPC - International classification

B26D-003/06* B26D-007/06

Family

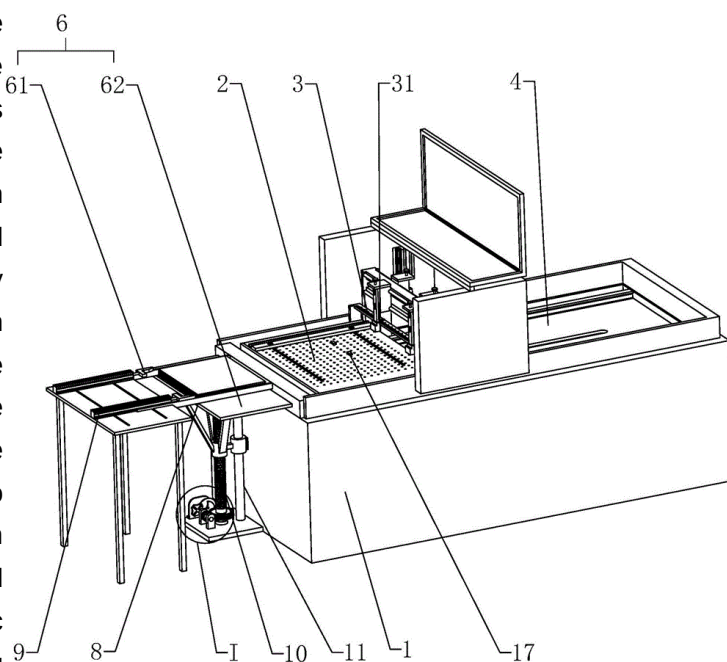
[CN205766398](#)

U 2016-12-07



(CN205766398)

The utility model discloses a novel grooving machine, including frame, the platform of form advancing, be connected with the blade holder of cutter, the frame deviates from an one end of form advancing and is equipped with and connects the paper platform, the frame has the paper spare of keeping off along vertical direction sliding connection, the frame is equipped with feed mechanism, feed mechanism includes and is pushing away paper spare, being sliding fit's the platform of placing with the frame along vertical direction of sliding fit with the frame along the direction of form advancing, it contradicts in the lateral wall of cardboard to push away paper spare. The utility model provides a can utilize feed mechanism to realize accurately form advancing to the platform of form advancing fast to combine to keep off paper spare and connect the paper platform, realized the automatic unloading of cardboard, saved the manpower to the putting of cardboard, improved grooving efficiency's a novel grooving machine.



Latest standardized assignees - inventors removed

ZHEJIANG YUESHENG JOINT PUBLISHING & PRINTING

Publication numbers

CN205766398

Abstract

(CN205766398)

The utility model discloses a novel grooving machine, including frame, the platform of form advancing, be connected with the blade holder of cutter, the frame deviates from an one end of form advancing and is equipped with and connects the paper platform, the frame has the paper spare of keeping off along vertical direction sliding connection, the frame is equipped with feed mechanism, feed mechanism includes and is pushing away paper spare, being sliding fit's the platform of placing with the frame along vertical direction of sliding fit with the frame along the direction of form advancing, it contradicts in the lateral wall of cardboard to push away paper spare. The utility model provides a can utilize feed mechanism to realize accurately form advancing to the platform of form advancing fast to combine to keep off paper spare and connect the paper platform, realized the automatic unloading of cardboard, saved the manpower to the putting of cardboard, improved grooving efficiency's a novel grooving machine.

Inventors

SHOU LINFEN

Title

Novel grooving machine

Publication numbers with kind code & date[CN205766398](#) U 2016-12-07 CN205766398U**Current assignees**

ZHEJIANG YUESHENG JOINT PUBLISHING & PRINTING

Original document**Earliest application date**

2016-06-30

TI

Novel grooving machine

Corrugated paper production detecting system

CN205767957U U

Current assignees

CHUZHOU CIGARETTE MATERIALS FACTORY*

Inventors

DU WEI

ZHENG HONGYAN

HE LIANGYUAN

TAO XIANGJUN

GUO JIE

Priority data including date

2016CN-U460775 2016-05-16

IPC - International classification

B32B-041/00*

G01N-033/34

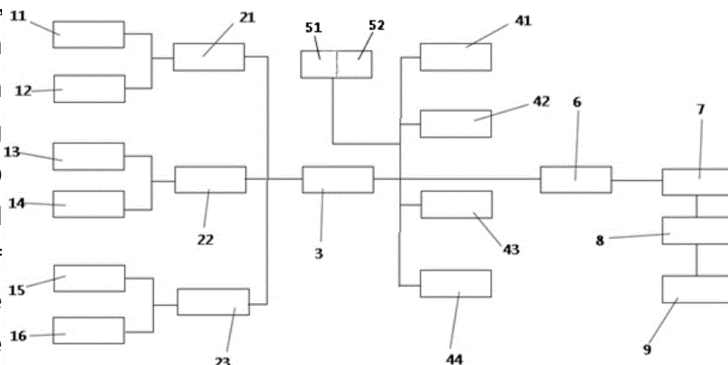
Family[CN205767957](#)

U 2016-12-07



(CN205767957)

The utility model provides a corrugated paper production detecting system, its include three the group paper feeder, every paper feeder of group is connected with a single face machine, mounting machine is connected respectively to each single face machine, the mounting machine is connected with a cutting machine through a conveyer belt, be equipped with cardboard folding endurance appearance, cardboard deflection appearance, the resistant broken appearance of cardboard, the anti zhang yi of cardboard on the conveyer belt conveying stroke in proper order, a timing controller and memory are connected respectively to cardboard folding endurance appearance, cardboard deflection appearance, the resistant broken appearance of cardboard, the anti appearance of opening of cardboard, be equipped with groover, book -binding machine behind the cutting machine in proper order and pile up the machine. The utility model provides an increase length measurement sensor between each single face machine of corrugated paper production line and the mounting machine to actually master the raw materials consumption situation, and according to the raw material consumes the physical properties that can learn the cardboard of production in real time.



Latest standardized assignees - inventors removed

CHUZHOU CIGARETTE MATERIALS FACTORY

Publication numbers

CN205767957

Abstract

(CN205767957)

The utility model provides a corrugated paper production detecting system, its include three the group paper feeder, every paper feeder of group is connected with a single face machine, mounting machine is connected respectively to each single face machine, the mounting machine is connected with a cutting machine through a conveyer belt, be equipped with cardboard folding endurance appearance, cardboard deflection appearance, the resistant broken appearance of cardboard, the anti zhang yi of cardboard on the conveyer belt conveying stroke in proper order, a timing controller and memory are connected respectively to cardboard folding endurance appearance, cardboard deflection appearance, the resistant broken appearance of cardboard, the anti appearance of opening of cardboard, be equipped with groover, book -binding machine behind the cutting machine in proper order and pile up the machine. The utility model provides an increase length measurement sensor between each single face machine of corrugated paper production line and the mounting machine to actually master the raw materials consumption situation, and according to the raw material consumes the physical properties that can learn the cardboard of production in real time.

Inventors

DU WEI

ZHENG HONGYAN

HE LIANGYUAN

TAO XIANGJUN

GUO JIE

Title

Corrugated paper production detecting system

Publication numbers with kind code & date[CN205767957](#) U 2016-12-07 CN205767957U**Current assignees**

CHUZHOU CIGARETTE MATERIALS FACTORY

Original document**Earliest application date**

2016-05-16

TI

Corrugated paper production detecting system

Paper pipe grooving machine

CN205343230U U

Current assignees

YUEQING LONGDE INDUSTRIAL PAPER TUBE*

Inventors

DAI XIAOBIN

Priority data including date

2016CN-U055668 2016-01-20

IPC - International classification

B26D-001/147*

B26D-007/06

B26D-007/18

B26D-007/26

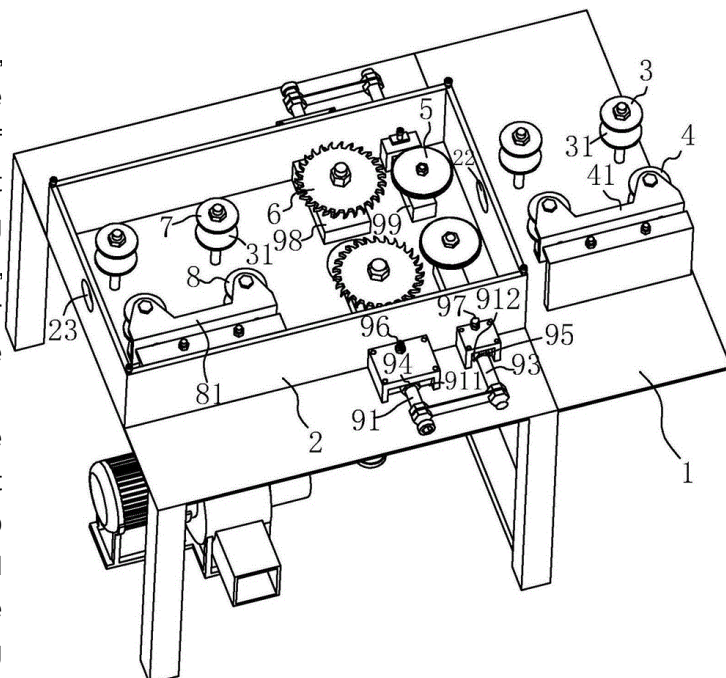
Family[CN205343230](#)

U 2016-06-29



(CN205343230)

The utility model discloses a paper pipe grooving machine, grooving cutter on including the frame and locating the frame, the adjacent scribing wheel that is provided with of grooving cutter, scribing wheel is including the first race that is the U-shaped, the horizontal plane that the grooving cutter was in lies in the intermediate position of first race, utilize scribing wheel at first to rule to the paper tube outer wall before the paper tube grooving, and the width in groove had been injected to two finding activates about the race of U-shaped marked, carry out the grooving process to the paper tube again, the groove width degree that make to cut is certain and guarantee to cut the trough rim that along no burr, next combines firstly, make paper tube uninterrupted grooving process of carrying on in succession under the drive of secondary drive subassembly, the processing efficiency is improved.



Latest standardized assignees - inventors removed

YUEQING LONGDE INDUSTRIAL PAPER TUBE

Publication numbers

CN205343230

Abstract

(CN205343230)

The utility model discloses a paper pipe grooving machine, grooving cutter on including the frame and locating the frame, the adjacent scribing wheel that is provided with of grooving cutter, scribing wheel is including the first race that is the U - shaped, the horizontal plane that the grooving cutter was in lies in the intermediate position of first race, utilize scribing wheel at first to rule to the paper tube outer wall before the paper tube grooving, and the width in groove had been injected to two finding activates about the race of U -shaped marked, carry out the grooving process to the paper tube again, the groove width degree that make to cut is certain and guarantee to cut the trough rim that along no burr, next combines firstly, make paper tube uninterrupted grooving process of carrying on in succession under the drive of secondary drive subassembly, the processing efficiency is improved.

Inventors

DAI XIAOBIN

Title

Paper pipe grooving machine

Publication numbers with kind code & date[CN205343230](#) U 2016-06-29 CN205343230U**Current assignees**

YUEQING LONGDE INDUSTRIAL PAPER TUBE

Original document**Earliest application date**

2016-01-20

TI

Paper pipe grooving machine

Automatic groover is cut to cardboard strip CN204954917U

Current assignees

ZHANG ZHIYONG

Inventors

ZHANG ZHIYONG

Priority data including date

2015CN-U668072 2015-08-31

IPC - International classification

B26D-001/12*

B26D-003/06

B26D-007/06

B26D-007/26

Family

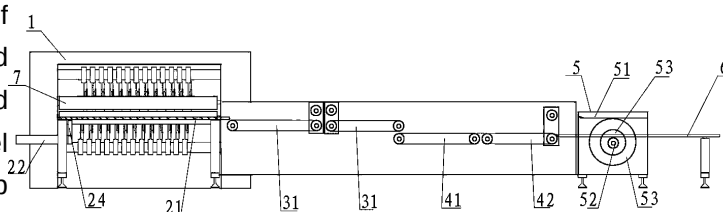
[CN204954917](#)

U 2016-01-13



(CN204954917)

The utility model provides an automatic groover is cut to cardboard strip, by rectangular cutting machine, lie in rectangular cutting machine discharge gate one side push away the material platform, lie in and push away cardboard strip horizontal movement platform, the cardboard strip of arranging the distribution in proper order in material platform rear and stand upright conveying platform, the cutting integrative buck of fluting and finished product ejection of compact platform and form, rectangular cutting machine and push away the material and be equipped with nip rolls and counting assembly between the platform. The utility model discloses merge crosscut in the cardboard strip manufacturing process and fluting process, once accomplish by the integrative buck of cutting fluting, reduced the link of transporting in the middle of the cardboard strip, cardboard strip that rectangular cutting machine was cut in transportation process automatic upright arrange and get into cuts the integrative buck in groove open, all processes are automatic to be accomplished, the recruitment is few, production efficiency is high, greatly reduced the cost of labor of cardboard frame production.



Publication numbers

CN204954917

Abstract

(CN204954917)

The utility model provides an automatic groover is cut to cardboard strip, by rectangular cutting machine, lie in rectangular cutting machine discharge gate one side push away the material platform, lie in and push away cardboard strip horizontal movement platform, the cardboard strip of arranging the distribution in proper order in material platform rear and stand upright conveying platform, the cutting integrative buck of fluting and finished product ejection of compact platform and form, rectangular cutting machine and push away the material and be equipped with nip rolls and counting assembly between the platform. The utility model discloses merge crosscut in the cardboard strip manufacturing process and fluting process, once accomplish by the integrative buck of cutting fluting, reduced the link of transporting in the middle of the cardboard strip, cardboard strip that rectangular cutting machine was cut in transportation process automatic upright arrange and get into cuts the integrative buck in groove open, all processes are automatic to be accomplished, the recruitment is few, production efficiency is high, greatly reduced the cost of labor of cardboard frame production.

Inventors

ZHANG ZHIYONG

Title

Automatic groover is cut to cardboard strip

Publication numbers with kind code & date[CN204954917](#) U 2016-01-13 CN204954917U**Current assignees**

ZHANG ZHIYONG

Original document**Earliest application date**

2015-08-31

TI

Automatic groover is cut to cardboard strip

Corrugated container board groover

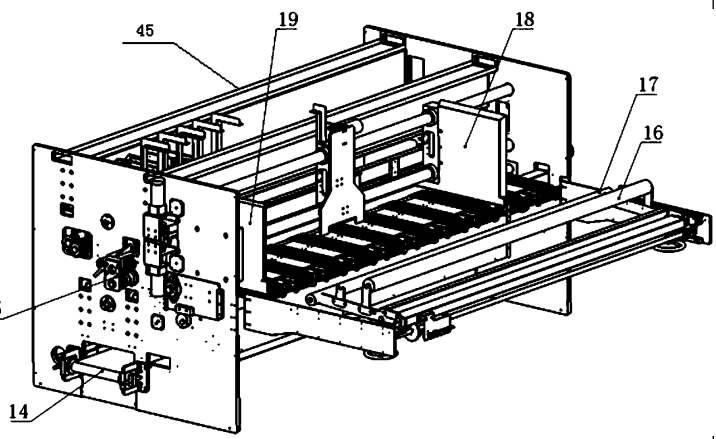
CN204914705U U

Current assignees SHENZHEN WONDER PRINTING SYSTEM* Inventors ZHAO JIANG XIE MINGCHENG Priority data including date 2015CN-U686558 2015-09-07	IPC - International classification B31B-050/06 B31B-050/22* B31B-050/25
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Family CN204914705 U 2015-12-30    
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(CN204914705)

The utility model discloses a corrugated container board groover, the wireless terminal device comprises a device body, the feed end of equipment body sets gradually that A is rolled to the pay -off cunning, B and feeding belt are rolled to the pay -off cunning, its characterized in that, and feeding belt's setting is held in the palm between the paper platform in the pay -off, and feeding belt sets up on pay -off drive roll and pay -off driven voller, the one end of pay -off drive roll connection pay -off motor, the pay -off asks the top of paper platform to set up the positive pressing board of pay -off, feeding belt's output sets gradually height finding drive roll15 and back drive roll, sets up on the height finding drive roll and surveys high pressure roller, sets up the back compression roller on the back drive roll, and the output of back drive roll sets up terminal surface fluting lifter plate, middle fluting upgrading board A, middle fluting upgrading board B, middle fluting upgrading board C and side cut lifter plate side by side.



Latest standardized assignees - inventors removed

SHENZHEN WONDER PRINTING SYSTEM

Publication numbers

CN204914705

Abstract

(CN204914705)

The utility model discloses a corrugated container board groover, the wireless terminal device comprises a device body, the feed end of equipment body sets gradually that A is rolled to the pay-off cunning, B and feeding belt are rolled to the pay-off cunning, its characterized in that, and feeding belt's setting is held in the palm between the paper platform in the pay-off, and feeding belt sets up on pay-off drive roll and pay-off driven vroller, the one end of pay-off drive roll connection pay-off motor, the pay-off asks the top of paper platform to set up the positive pressing board of pay-off, feeding belt's output sets gradually height finding drive roll and back drive roll, sets up on the height finding drive roll and surveys high pressure roller, sets up the back compression roller on the back drive roll, and the output of back drive roll sets up terminal surface fluting lifter plate, middle fluting upgrading board A, middle fluting upgrading board B, middle fluting upgrading board C and side cut lifter plate side by side.

Inventors

ZHAO JIANG

XIE MINGCHENG

Title

Corrugated container board groover

Publication numbers with kind code & date[CN204914705](#) U 2015-12-30 CN204914705U**Current assignees**

SHENZHEN WONDER PRINTING SYSTEM

Original document**Earliest application date**

2015-09-07

TI

Corrugated container board groover

Carton groover CN204749354U U

Current assignees

LIHUA XINJIN PRINTING PACKGING*

Inventors

CHEN QIWU

Priority data including date

2015CN-U425781 2015-06-18

IPC - International classification

B31B-001/22*

B31B-001/74

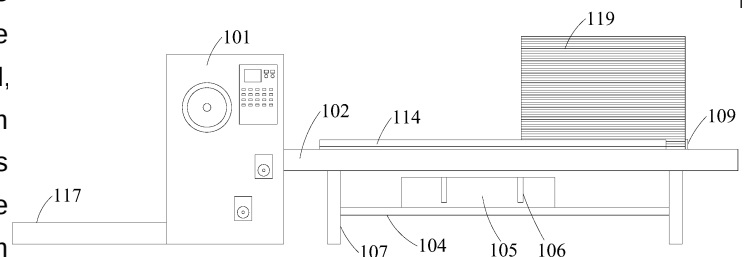
Family[CN204749354](#)

U 2015-11-11



(CN204749354)

The utility model provides a carton groover belongs to the equipment for packing field, including frame and transportation frame, the thing board is put including the level setting to transportation frame, and the below level of putting the thing board is equipped with the unanimous crossbeam rather than length direction, rotating on the crossbeam to be connected with and turning over the board, turn over the one end of keeping away from the crossbeam on the board and be equipped with the bracing piece, this bracing piece rotates and is connected with turning over the board, between the length of bracing piece and crossbeam and the ground apart from the unanimity. This kind of carton groover workman in the use can conveniently operate, need not improve work efficiency with the help of other equipment such as stools, has reduced working cost, and its structural design is reasonable, and the carton is more stable when the operation, can further promote work efficiency.



Latest standardized assignees - inventors removed

LIHUA XINJIN PRINTING PACKGING

Publication numbers

CN204749354

Abstract

(CN204749354)

The utility model provides a carton groover belongs to the equipment for packing field, including frame and transportation frame, the thing board is put including the level setting to transportation frame, and the below level of putting the thing board is equipped with the unanimous crossbeam rather than length direction, rotating on the crossbeam to be connected with and turning over the board, turn over the one end of keeping away from the crossbeam on the board and be equipped with the bracing piece, this bracing piece rotates and is connected with turning over the board, between the length of bracing piece and crossbeam and the ground apart from the unanimity. This kind of carton groover workman in the use can conveniently operate, need not improve work efficiency with the help of other equipment such as stools, has reduced working cost, and its structural design is reasonable, and the carton is more stable when the operation, can further promote work efficiency.

Inventors

CHEN QIWU

Title

Carton groover

Publication numbers with kind code & date[CN204749354](#) U 2015-11-11 CN204749354U**Current assignees**

LIHUA XINJIN PRINTING PACKGING

Original document**Earliest application date**

2015-06-18

TI

Carton groover

Novel paperboard automation slotting device

CN204222288U U

Current assignees

HUCAIS PRINTING ARTS*

Inventors

LEI MINGHUI

Priority data including date

2014CN-U619750 2014-10-24

IPC - International classification

B31B-050/22*

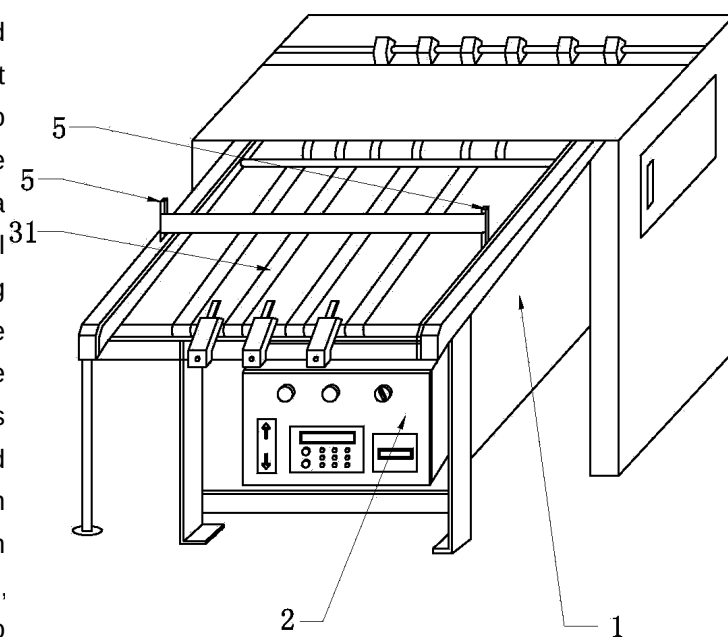
Family[CN204222288](#)

U 2015-03-25



(CN204222288)

The utility model relates to the technical field of slotting processes, in particular to a novel paperboard automation slotting device which comprises a frame. A control device is mounted on the frame, a conveying device is mounted above the frame and comprises a conveying rail, an input end and an output end, slotting areas are arranged on two sides of the conveying rail, slotting tools are arranged in the slotting areas, the control device is provided with a synchronous tool setting mechanism and an electric control fine-adjustment mechanism, the synchronous tool setting mechanism drives the slotting tools to rise and fall, the electric control fine-adjustment mechanism drives the slotting tools to rotate, a roller for mounting paperboards is arranged at the input end, and the output end is provided with a delivery table. The novel paperboard automation slotting device is matched with the slotting process used on the device, the slotting tools are mounted and debugged, paper feed is debugged, a starting switch is switched on to perform paper feed delivery and slotting, so that energy consumption is reduced, personnel allocation is decreased, production efficiency is improved, production cost is reduced, and the production size is accurate.



Latest standardized assignees - inventors removed

HUCAIS PRINTING ARTS

Publication numbers

CN204222288

Abstract

(CN204222288)

The utility model relates to the technical field of slotting processes, in particular to a novel paperboard automation slotting device which comprises a frame. A control device is mounted on the frame, a conveying device is mounted above the frame and comprises a conveying rail, an input end and an output end, slotting areas are arranged on two sides of the conveying rail, slotting tools are arranged in the slotting areas, the control device is provided with a synchronous tool setting mechanism and an electric control fine-adjustment mechanism, the synchronous tool setting mechanism drives the slotting tools to rise and fall, the electric control fine-adjustment mechanism drives the slotting tools to rotate, a roller for mounting paperboards is arranged at the input end, and the output end is provided with a delivery table. The novel paperboard automation slotting device is matched with the slotting process used on the device, the slotting tools are mounted and debugged, paper feed is debugged, a starting switch is switched on to perform paper feed delivery and slotting, so that energy consumption is reduced, personnel allocation is decreased, production efficiency is improved, production cost is reduced, and the production size is accurate.

Inventors

LEI MINGHUI

Title

Novel paperboard automation slotting device

Publication numbers with kind code & date[CN204222288](#) U 2015-03-25 CN204222288U**Current assignees**

HUCAIS PRINTING ARTS

Original document**Earliest application date**

2014-10-24

TI

Novel paperboard automation slotting device

Paper box printing and groove forming combined system

CN203236756U U

Current assignees

TIANJIN JIANBANG PACKAGING PRODUCT*

Inventors

ZHANG XIANGDONG

Priority data including date

2013CN-U121156 2013-03-16

IPC - International classification

B31B-001/22	B31B-001/25	B31B-001/88
B31B-050/22*	B31B-050/25	B31B-050/88

Family[CN203236756](#)

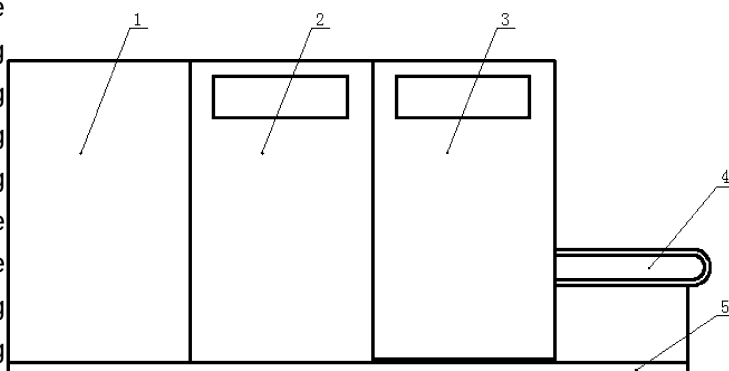
U

2013-10-16



(CN203236756)

The utility model relates to a paper box printing and groove forming combined system. The paper box printing and groove forming combined system comprises a groove forming machine, an ink distributing dryer, a printing machine and a feeding device, wherein the groove forming machine, both the ink distributing dryer and the printing machine are coaxially installed on a track base in a guiding sliding mode, and the feeding device is installed on one side of the printing machine. The paper box printing and groove forming combined system is a combined system of printing equipment, drying equipment and groove forming equipment, is diverse in function, easy to operate and high in automation degree, can achieve multiple purposes, save labor, improve site use ratio, and save energy, is efficient, and effectively improves production efficiency.



Latest standardized assignees - inventors removed

TIANJIN JIANBANG PACKAGING PRODUCT

Publication numbers

CN203236756

Abstract

(CN203236756)

The utility model relates to a paper box printing and groove forming combined system. The paper box printing and groove forming combined system comprises a groove forming machine, an ink distributing dryer, a printing machine and a feeding device, wherein the groove forming machine, both the ink distributing dryer and the printing machine are coaxially installed on a track base in a guiding sliding mode, and the feeding device is installed on one side of the printing machine. The paper box printing and groove forming combined system is a combined system of printing equipment, drying equipment and groove forming equipment, is diverse in function, easy to operate and high in automation degree, can achieve multiple purposes, save labor, improve site use ratio, and save energy, is efficient, and effectively improves production efficiency.

Inventors

ZHANG XIANGDONG

Title

Paper box printing and groove forming combined system

Publication numbers with kind code & date[CN203236756](#) U 2013-10-16 CN203236756U**Current assignees**

TIANJIN JIANBANG PACKAGING PRODUCT

Original document**Earliest application date**

2013-03-16

TI

Paper box printing and groove forming combined system

Safety grooving machine convenient to operate

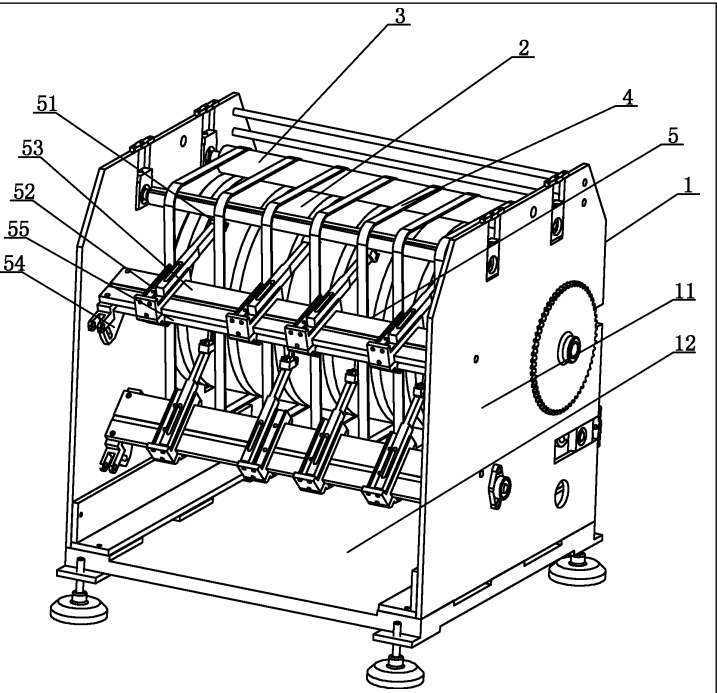
CN202412794U U

Current assignees ZHENG RUPENG Inventors ZHENG RUPENG Priority data including date 2012CN-U011684 2012-01-11	IPC - International classification B31B-001/22 B31B-050/22*
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Family CN202412794 U 2012-09-05    
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(CN202412794)

A safety grooving machine convenient to operate mainly solves the problem that existing grooving machines are inconvenient in cutter adjustment and poor in safety. The grooving machine is characterized in that a conveying belt (4) hermetically surrounds a plurality of small rollers (3), a cutter holder rest plate (53), an angle adjusting seat (54) and an adjusting shaft (55) are positioned outside the conveying belt (4), and cutters (51) and cutter holders (52) are positioned at intervals of the conveying belt (4). The grooving machine has the advantages of convenience in cutter adjustment, safety and reliability. Further, by means of wedged blades for grooving, dust is avoided, and environment protection is facilitated.



Publication numbers

CN202412794

Abstract

(CN202412794)

A safety grooving machine convenient to operate mainly solves the problem that existing grooving machines are inconvenient in cutter adjustment and poor in safety. The grooving machine is characterized in that a conveying belt (4) hermetically surrounds a plurality of small rollers (3), a cutter holder rest plate (53), an angle adjusting seat (54) and an adjusting shaft (55) are positioned outside the conveying belt (4), and cutters (51) and cutter holders (52) are positioned at intervals of the conveying belt (4). The grooving machine has the advantages of convenience in cutter adjustment, safety and reliability. Further, by means of wedged blades for grooving, dust is avoided, and environment protection is facilitated.

Inventors

ZHENG RUPENG

Title

Safety grooving machine convenient to operate

Publication numbers with kind code & date[CN202412794](#) U 2012-09-05 CN202412794U**Current assignees**

ZHENG RUPENG

Original document**Earliest application date**

2012-01-11

TI

Safety grooving machine convenient to operate

Paper pipe grooving machine CN201833399U

Current assignees

ZHEJIANG LIANDA CHEMICAL FIBER*

Inventors

GAO LIANYUE

CHEN FAWEN

ZHOU XUAN

Priority data including date

2010CN-U593367 2010-11-05

IPC - International classification

B26D-001/00*

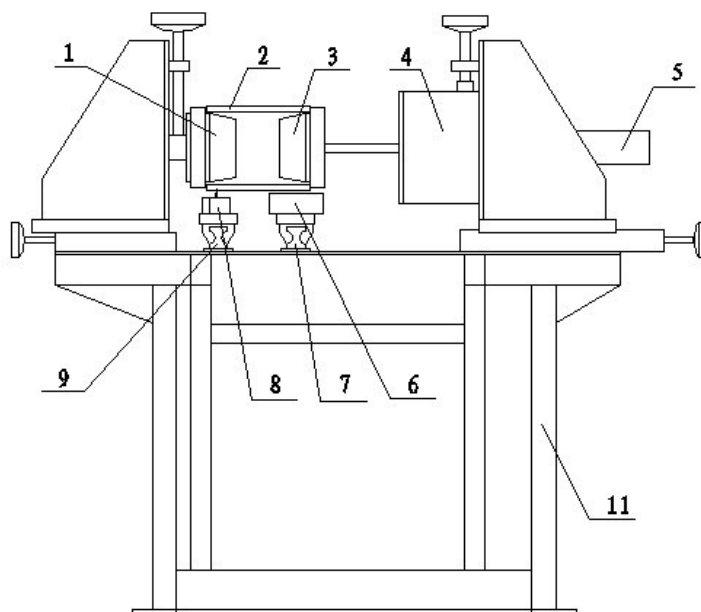
Family[CN201833399](#)

U 2011-05-18



(CN201833399)

The utility model belongs to the field of machinery, and particularly relates to a paper pipe grooving machine. The paper pipe grooving machine is characterized by comprising a support, a fixed cylinder, a grooving rail, a feeding guide rail and a clamping cylinder are sequentially arranged on the frame from left to right, a bottom die is arranged on the fixed cylinder, an ejecting groove and a top die are arranged on the clamping cylinder, a grooving tool is arranged on the grooving rail slidably, a feed hopper is arranged on the feeding guide rail slidably, and paper pipes are arranged in the feed hopper. Compared with the prior art, the paper pipe grooving machine has the advantages of higher equipment stability in production, higher grooving efficiency, uniform feeding, improved grooving quality, reduction of labor intensity and consumption and doubled service life.



Latest standardized assignees - inventors removed

ZHEJIANG LIANDA CHEMICAL FIBER

Publication numbers

CN201833399

Abstract

(CN201833399)

The utility model belongs to the field of machinery, and particularly relates to a paper pipe grooving machine. The paper pipe grooving machine is characterized by comprising a support, a fixed cylinder, a grooving rail, a feeding guide rail and a clamping cylinder are sequentially arranged on the frame from left to right, a bottom die is arranged on the fixed cylinder, an ejecting groove and a top die are arranged on the clamping cylinder, a grooving tool is arranged on the grooving rail slidably, a feed hopper is arranged on the feeding guide rail slidably, and paper pipes are arranged in the feed hopper. Compared with the prior art, the paper pipe grooving machine has the advantages of higher equipment stability in production, higher grooving efficiency, uniform feeding, improved grooving quality, reduction of labor intensity and consumption and doubled service life.

Inventors

GAO LIANYUE

CHEN FAWEN

ZHOU XUAN

Title

Paper pipe grooving machine

Publication numbers with kind code & date[CN201833399](#) U 2011-05-18 CN201833399U**Current assignees**

ZHEJIANG LIANDA CHEMICAL FIBER

Original document**Earliest application date**

2010-11-05

TI

Paper pipe grooving machine

Combinative cutting knife type paper board grooving machine CN201900738U U

<u>Current assignees</u> CHEN SHUZH <u>Inventors</u> CHEN SHUZH <u>Priority data including date</u> 2010CN-U141988 2010-03-26	<u>IPC - International classification</u> B31B-001/22 B31B-050/22*
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Family[CN201900738](#)

U

2011-07-20



(CN201900738)

The utility model relates to a paper board grooving machine, which consists of a pair of paper board occlusion and transfer devices formed by an adjustable vertical lifting penetrative circular sliding block axle penetrating through a plurality of space adjustable circular sliding blocks to be put above a driving roller, and a row of knife frame sets through which a knife frame axle penetrates, which are space adjustable and one end of which angle rotatable vertical shifting and freely replaceable cutting knives are arranged. The paper board grooving machine adopts the basic combination method that the knife frame sets are arranged below the penetrative circular sliding block axle, above the driving roller and between the circular sliding blocks. By adjusting the rotation on the knife frame, vertical shifting and distance between the knife frames for the cutting knives, two cutting knives are combined into a cutting edge on the same straight line, and a pair of cutting knives is arranged at the included angle between a knife bodies. When the paper board is occluded and transferred, the two cutting knives perform inclined cutting on two sides according to a certain depth and angle to form a paper board groove. According to the different requirements on the groove number, the occlusion and transfer devices and the knife frame sets can be flexible arranged and combined.

Publication numbers

CN201900738

Abstract

(CN201900738)

The utility model relates to a paper board grooving machine, which consists of a pair of paper board occlusion and transfer devices formed by an adjustable vertical lifting penetrative circular sliding block axle penetrating through a plurality of space adjustable circular sliding blocks to be put above a driving roller, and a row of knife frame sets through which a knife frame axle penetrates, which are space adjustable and one end of which angle rotatable vertical shifting and freely replaceable cutting knives are arranged. The paper board grooving machine adopts the basic combination method that the knife frame sets are arranged below the penetrative circular sliding block axle, above the driving roller and between the circular sliding blocks. By adjusting the rotation on the knife frame, vertical shifting and distance between the knife frames for the cutting knives, two cutting knives are combined into a cutting edge on the same straight line, and a pair of cutting knives is arranged at the included angle between a knife bodies. When the paper board is occluded and transferred, the two cutting knives perform inclined cutting on two sides according to a certain depth and angle to form a paper board groove. According to the different requirements on the groove number, the occlusion and transfer devices and the knife frame sets can be flexible arranged and combined.

Inventors

CHEN SHUZH

Title

Combinative cutting knife type paper board grooving machine

Publication numbers with kind code & date[CN201900738](#) U 2011-07-20 CN201900738U**Current assignees**

CHEN SHUZH

Original document**Earliest application date**

2010-03-26

TI

Combinative cutting knife type paper board grooving machine

Slotter, cutting method

EP2452811 A1

Current assignees

MITSUBISHI HEAVY INDUSTRIES PRINTING & PACKAGING MACHINERY*

Inventors

SUGIMOTO KAZUYA
HATANO OSAMU

Priority data including date

2009JP-0161665 2009-07-08
2010WO-JP60469 2010-06-21

IPC - International classification

B26D-001/22 B26D-001/28 B26D-001/40
B31B-001/22 B31B-050/22*

CPC - Cooperative classification

B26D-001/28 B26D-001/40 B26D-003/14*
B26D-007/26/42 B31B-001/20 B31B-050/146
B31B-050/22 B31B-2201/143 B31B-2201/148

PCL - US patent classification

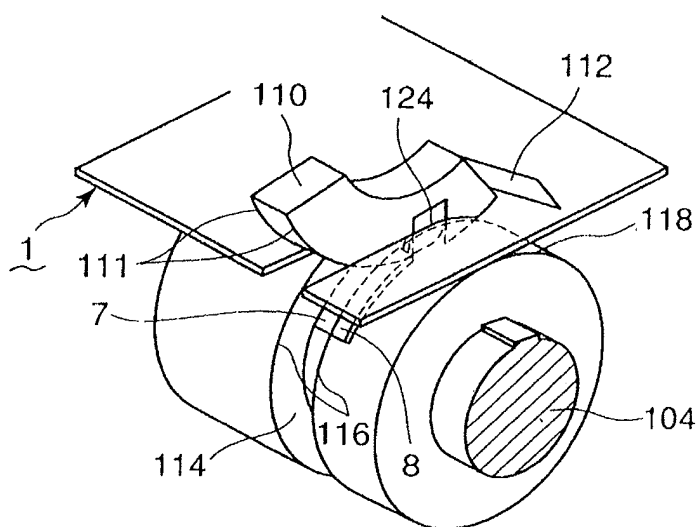
PCLO: 493060000*

Family

EP2452811	B1	2016-11-09	   	US20120122641	A1	2012-05-17	   
EP2452811	A4	2015-05-27	   	EP2452811	A1	2012-05-16	   
CN102470622	B	2014-10-15	   	KR20120027534	A	2012-03-21	   
JP5341644	B2	2013-08-16	   	JP2011016274	A	2011-01-27	   
CN102470622	A	2012-05-23	   	WO2011/004695	A1	2011-01-13	   

(EP2452811)

In order to avoid scattering of flap chips which causes inferior gluing of a joint margin and intrusion of a flap chip into corrugated sheet products when a joint margin of a corrugated board is formed, a connection is always formed between the flap chip and a slotted chip regardless of the shape of the joint margin. An upper slotter knife (10) is divided into a slotter knife body (12) and a division (14), and the position of the division (14) relative to a sliding member (26) in which a flap cutter knife (30) is embedded is determined and fixed such that a distance (L) between a nick (18) formed on a cutting blade (15) of the division (14) and the tip of a flap cutter knife (30) is minimized. The presence of the nick (18) makes it possible to form a connection (9) between the slotted chip (7) and the flap chip (8) even when the sizes and the shapes of the corrugated sheet (1) and the joint margin (5) vary. The presence of the connecting point (9) makes it possible to remove the flap chip (8) together with the slotted chip (7), so that scattering of the flap chip (8) and inferior gluing of the joint margin can be prevented.



Latest standardized assignees - inventors removed

MITSUBISHI HEAVY INDUSTRIES PRINTING & PACKAGING MACHINERY

Publication numbers

EP2452811

EP2452811

CN102470622

JP5341644

CN102470622

US20120122641

EP2452811

KR20120027534

JP2011016274

WO2011/004695

Abstract

(EP2452811)

In order to avoid scattering of flap chips which causes inferior gluing of a joint margin and intrusion of a flap chip into corrugated sheet products when a joint margin of a corrugated board is formed, a connection is always formed between the flap chip and a slotted chip regardless of the shape of the joint margin. An upper slotter knife (10) is divided into a slotter knife body (12) and a division (14), and the position of the division (14) relative to a sliding member (26) in which a flap cutter knife (30) is embedded is determined and fixed such that a distance (L) between a nick (18) formed on a cutting blade (15) of the division (14) and the tip of a flap cutter knife (30) is minimized. The presence of the nick (18) makes it possible to form a connection (9) between the slotted chip (7) and the flap chip (8) even when the sizes and the shapes of the corrugated sheet (1) and the joint margin (5) vary. The presence of the connecting point (9) makes it possible to remove the flap chip (8) together with the slotted chip (7), so that scattering of the flap chip (8) and inferior gluing of the joint margin can be prevented.

Inventors

SUGIMOTO KAZUYA

HATANO OSAMU

Title

Slotter, cutting method

Publication numbers with kind code & date

EP2452811	B1	2016-11-09	EP2452811				
EP2452811	A4	2015-05-27	EP2452811				
CN102470622	B	2014-10-15	CN102470622B				
JP5341644	B2	2013-08-16	JP5341644				
CN102470622	A	2012-05-23	CN102470622				
US20120122641	A1	2012-05-17	US20120122641				
EP2452811	A1	2012-05-16	EP2452811				
KR20120027534	A	2012-03-21	KR20120027534				
JP2011016274	A	2011-01-27	JP2011016274				
WO2011/004695	A1	2011-01-13	WO201104695				

Current assignees

MITSUBISHI HEAVY INDUSTRIES PRINTING & PACKAGING MACHINERY

Original document**Earliest application date**

2009-07-08

TI

Slotter, cutting method

Printing groover with printing portion equipped with all-servo paper feeding system
CN201275895U Y

<u>Current assignees</u> SHANGHAI DINGLONG MACHINERY* <u>Inventors</u> DING GENLONG <u>Priority data including date</u> 2008CN-U154308 2008-10-22	<u>IPC - International classification</u> B31B-001/22 B31B-050/22*
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Family

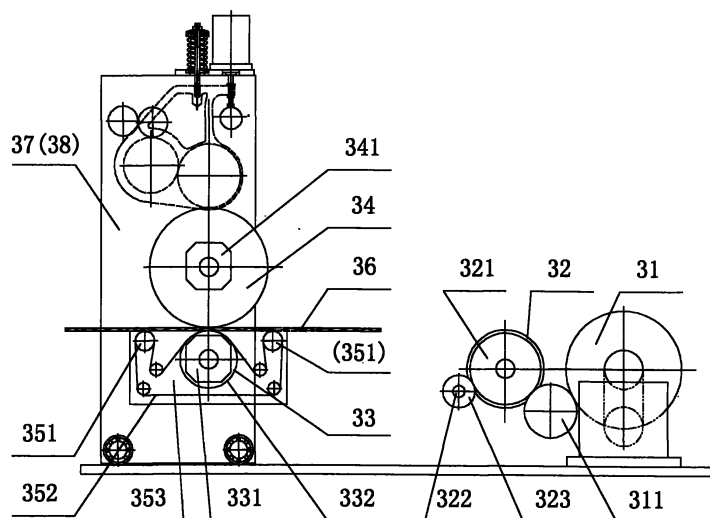
CN201275895

Y 2009-07-22



(CN201275895)

Disclose is a printing and fluting machine with printing part equipped with a full-servo printing system, including that a servomotor independently controls an impressing roller and a paper feeding roller wheel group to operate, and a vacuum absorption box is assembled under the impressing roller and the paper feeding roller wheel group, so the paper feeding function is realized; a servomotor independently controls a printing plate roller to operate, so as to realize the printing function; the servomotors are connected with a coder through conducting wires, the coder obtains the linear velocity information of the paper feeding roller which is in meshing transmission connection with a main transmission system gear through a coder gear which is in meshing transmission connection with a transmission gear, and then the coder sends the feedback information to the independent servomotors, and the servomotors regulate the rotation speed respectively according to the feedback information, so the linear velocity of roller wheels of the impressing roller and paper feeding roller wheel group is ensured to be in accordance with the linear velocity of the printing plate roller all the time; the vacuum absorption box ensures the absorption effect of paper feeding plates; thereby, the printing and fluting machine with a paper feeding part equipped with a full-servo paper feeding system solves various problems of printing and fluting machine in high-speed printing process.



Latest standardized assignees - inventors removed

SHANGHAI DINGLONG MACHINERY

Publication numbers

CN201275895

Abstract

(CN201275895)

Disclose is a printing and fluting machine with printing part equipped with a full-servo printing system, including that a servomotor independently controls an impressing roller and a paper feeding roller wheel group to operate, and a vacuum absorption box is assembled under the impressing roller and the paper feeding roller wheel group, so the paper feeding function is realized; a servomotor independently controls a printing plate roller to operate, so as to realize the printing function; the servomotors are connected with a coder through conducting wires, the coder obtains the linear velocity information of the paper feeding roller which is in meshing transmission connection with a main transmission system gear through a coder gear which is in meshing transmission connection with a transmission gear, and then the coder sends the feedback information to the independent servomotors, and the servomotors regulate the rotation speed respectively according to the feedback information, so the linear velocity of roller wheels of the impressing roller and paper feeding roller wheel group is ensured to be in accordance with the linear velocity of the printing plate roller all the time; the vacuum absorption box ensures the absorption effect of paper feeding plates; thereby, the printing and fluting machine with a paper feeding part equipped with a full-servo paper feeding system solves various problems of printing and fluting machine in high-speed printing process.

Inventors

DING GENLONG

Title

Printing groover with printing portion equipped with all-servo paper feeding system

Publication numbers with kind code & date[CN201275895](#) Y 2009-07-22 CN201275895U**Current assignees**

SHANGHAI DINGLONG MACHINERY

Original document**Earliest application date**

2008-10-22

TI

Printing groover with printing portion equipped with all-servo paper feeding system

Grooving machine for paperboard or density board

CN201267893U Y

Current assignees

CHEN ZILI

Inventors

CHEN ZILI

Priority data including date

2008CN-U121341 2008-07-15

IPC - International classification

B23C-003/28*

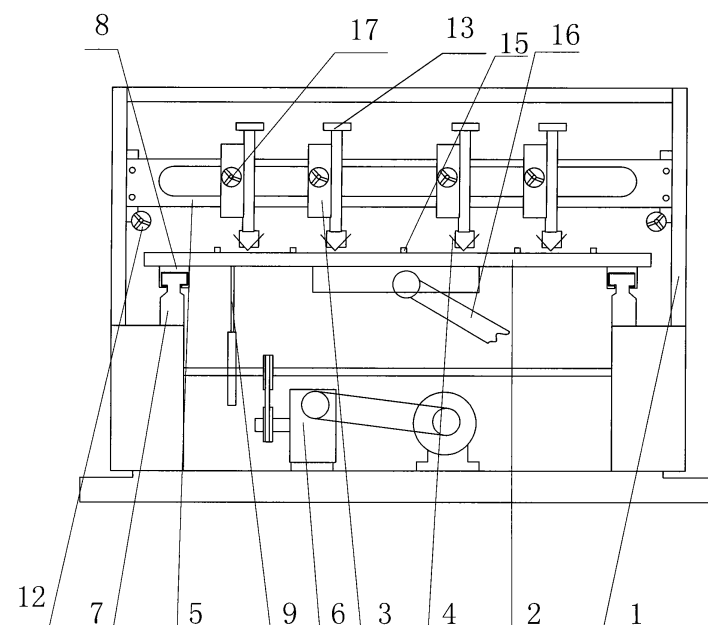
Family[CN201267893](#)

Y 2009-07-08



(CN201267893)

The utility model is a cardboard or density board grooving machine, which comprises a machine body. A tool post assembly and an operating platform are installed on the machine body. The tool post assembly is provided with a tool post and a blade. The cardboard or density board grooving machine is characterized in that a cross beam is installed above the operating platform; the cross beam is connected with the machine body; the operating platform is installed on the machine body in a sliding way after being connected with a transmission gear in a transmission way; a gap always remains between the cutting edge of the blade and the surface of the operating platform, and the operating platform is provided with a fixing device of the cardboards or density boards. In the utility model, the operating platform is movable, so the cardboards or density boards can be tiled on the operating platform for grooving. Therefore, the operation is very convenient and precise. Compared with the prior art, the utility model has substantive characteristics and progress.



Publication numbers

CN201267893

Abstract

(CN201267893)

The utility model is a cardboard or density board grooving machine, which comprises a machine body. A tool post assembly and an operating platform are installed on the machine body. The tool post assembly is provided with a tool post and a blade. The cardboard or density board grooving machine is characterized in that a cross beam is installed above the operating platform; the cross beam is connected with the machine body; the operating platform is installed on the machine body in a sliding way after being connected with a transmission gear in a transmission way; a gap always remains between the cutting edge of the blade and the surface of the operating platform, and the operating platform is provided with a fixing device of the cardboards or density boards. In the utility model, the operating platform is movable, so the cardboards or density boards can be tiled on the operating platform for grooving. Therefore, the operation is very convenient and precise. Compared with the prior art, the utility model has substantive characteristics and progress.

Inventors

CHEN ZILI

Title

Grooving machine for paperboard or density board

Publication numbers with kind code & date[CN201267893](#) Y 2009-07-08 CN201267893U**Current assignees**

CHEN ZILI

Original document**Earliest application date**

2008-07-15

TI

Grooving machine for paperboard or density board

Print groover with die-cutting portion equipped with rubber cushion roller speed-chasing mechanism

CN101301797 A

Current assignees

SHANGHAI DINGLONG MACHINERY*

Inventors

DING GENLONG

Priority data including date

2007CN-0040385 2007-05-08

IPC - International classification

B31B-001/22

B31B-050/22*

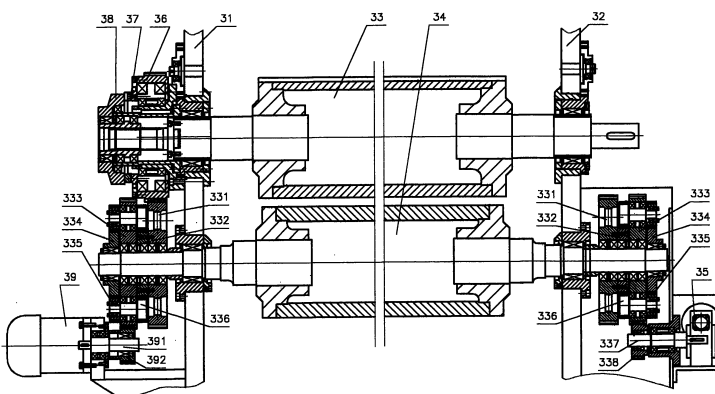
Family[CN101301797](#)

A 2008-11-12



(CN101301797)

The invention discloses a printing notching machine the die cutting part of which is provided with a cushion roll accelerating mechanism. The invention mainly includes a front edge paper feed unit, a paper feed unit, a plurality of printing units, a notching unit and a die cutting unit; the die cutting unit includes a template roll and a cushion roll arranged between wall plates at the two sides of the printing notching machine; the invention is characterized by also including the cushion roll accelerating mechanism; the mechanism includes a step change speed motor and a planet reducing device consisting of a group of the roll gear of a printing plate, a combined sun wheel, a planet carrier wheel and a sun wheel of a printing roll at the left shaft end of the template roll; wherein, the planet carrier wheel also includes a planet wheel with a shaft and a planet wheel to form a speed difference compensation adjusting system; the gears are mutually engaged in transmission; the sun wheel of the printing roll is fixedly connected in transmission with the template roll. The problem that the existing cushion roll is not synchronous with the template roll when the outer diameter of the existing cushion roll is reduced by abrasion and the liner speed is descended is solved. The liner speed of the cushion roll is synchronous with the template roll by the speed difference compensation of the cushion roll accelerating mechanism, thus ensuring the quality of die cutting.



Latest standardized assignees - inventors removed

SHANGHAI DINGLONG MACHINERY

Publication numbers

CN101301797

Abstract

(CN101301797)

The invention discloses a printing notching machine the die cutting part of which is provided with a cushion roll accelerating mechanism. The invention mainly includes a front edge paper feed unit, a paper feed unit, a plurality of printing units, a notching unit and a die cutting unit; the die cutting unit includes a template roll and a cushion roll arranged between wall plates at the two sides of the printing notching machine; the invention is characterized by also including the cushion roll accelerating mechanism; the mechanism includes a step change speed motor and a planet reducing device consisting of a group of the roll gear of a printing plate, a combined sun wheel, a planet carrier wheel and a sun wheel of a printing roll at the left shaft end of the template roll; wherein, the planet carrier wheel also includes a planet wheel with a shaft and a planet wheel to form a speed difference compensation adjusting system; the gears are mutually engaged in transmission; the sun wheel of the printing roll is fixedly connected in transmission with the template roll. The problem that the existing cushion roll is not synchronous with the template roll when the outer diameter of the existing cushion roll is reduced by abrasion and the liner speed is descended is solved. The liner speed of the cushion roll is synchronous with the template roll by the speed difference compensation of the cushion roll accelerating mechanism, thus ensuring the quality of die cutting.

Inventors

DING GENLONG

Title

Print groover with die-cutting portion equipped with rubber cushion roller speed-chasing mechanism

Publication numbers with kind code & date[CN101301797](#) A 2008-11-12 CN101301797**Current assignees**

SHANGHAI DINGLONG MACHINERY

Original document**Earliest application date**

2007-05-08

TI

Print groover with die-cutting portion equipped with rubber cushion roller speed-chasing mechanism

Joint control of setting for printing cylinders and applicator rolls

EP1867478 A2

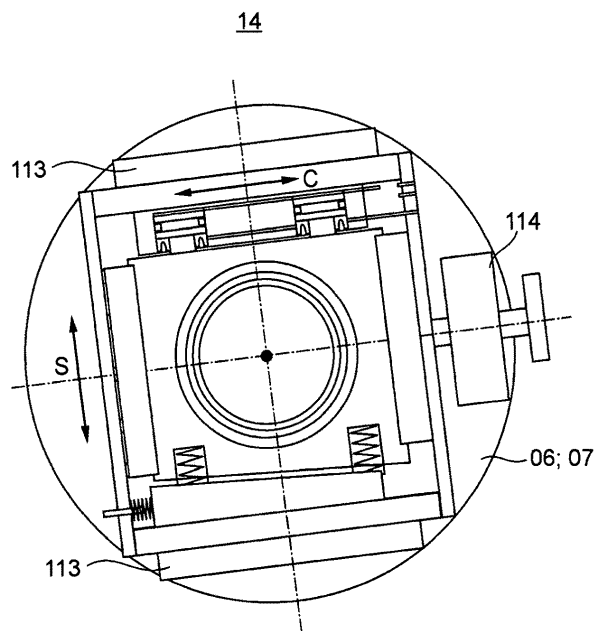
Current assignees KENIG & BAUER AKTSIENGEZELSHAFT KOENIG & BAUER* Inventors CHRISTEL RALF FAIST BERND FISCHER MICHAEL HAHN OLIVER REDER WOLFGANG SCHASCHEK KARL SCHNEIDER GEORG Priority data including date 2005DE-10018473 2005-04-21 2005DE-10045984 2005-09-27 2006EP-0754755 2006-04-20 2006WO-EP61695 2006-04-20 2007EP-0116905 2006-04-20	IPC - International classification B41F-007/40* B41F-013/24 B41F-013/34 B41F-013/38 B41F-013/40* B41F-031/36 B41F-033/00 CPC - Cooperative classification B41F-007/40* B41F-013/38 B41F-013/40 B41F-031/36 B41F-033/00/09 B41P-2213/734 PCL - US patent classification PCLO: 101248000* PCLX: 101218000
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Family													
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BRPI0609937	A2	2010-05-11					DE502006001944	D1	2008-12-11				
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PL1867478	T3	2009-07-31					EP1871601	B1	2008-10-29				
RU2007142568	A	2009-05-27					EP1955846	A1	2008-08-13				
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CN101384434	A	2009-03-11					WO2006/111556	A3	2007-05-10				
ES2313664	T3	2009-03-01					WO2006/111556	A2	2006-10-26				

(EP1955846)

Printing mechanism with at least two cooperating cylinders and bearing units facing respective cylinders

The mechanism has bearing units to displace respective cylinders and provided with an actuator regulated by a control unit. There is also provided an inking unit with an ink applying roller and a damping unit with a moisture applying roller each mounted in support bearings provided with actuators. The actuators are remote controlled. The cylinder actuators are hydraulic and the support bearing actuators are pneumatic. A peg on a cylinder is rotatably mounted in a linear bearing at an angle of 15 deg. to the cylinder axis. The bearing units are mounted on the inside of a frame wall of the mechanism facing the respective cylinder.



Latest standardized assignees - inventors removed

KOENIG & BAUER

Publication numbers

CN101384434

IN250440

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EP1867478

US20090020028

IN4491/KOLNP/2007

DE502006001944

AT412516

EP1871601

EP1955846

EP1867478

EP1871601

EP1867478

WO2006/111556

WO2006/111556

Abstract

(EP1955846)

Printing mechanism with at least two cooperating cylinders and bearing units facing respective cylinders

The mechanism has bearing units to displace respective cylinders and provided with an actuator regulated by a control unit. There is also provided an inking unit with an ink applying roller and a damping unit with a moisture applying roller each mounted in support bearings provided with actuators. The actuators are remote controlled. The cylinder actuators are hydraulic and the support bearing actuators are pneumatic. A peg on a cylinder is rotatably mounted in a linear bearing at an angle of 15 deg. to the cylinder axis. The bearing units are mounted on the inside of a frame wall of the mechanism facing the respective cylinder.

Inventors

CHRISTEL RALF

FAIST BERND

FISCHER MICHAEL

HAHN OLIVER

REDER WOLFGANG

SCHASCHEK KARL

SCHNEIDER GEORG

Title

Joint control of setting for printing cylinders and applicator rolls

Publication numbers with kind code & date

CN101384434	B	2013-03-20	CN101384434B
IN250440	B	2012-01-06	IN-250440
US8069786	B2	2011-12-06	US8069786
RU2371318	C9	2011-01-10	RU2371318
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PL1867478	T3	2009-07-31	PL1867478
RU2007142568	A	2009-05-27	RU2007142568
DK1867478	T3	2009-05-04	DK1867478T
ES2318830	T3	2009-05-01	ES2318830
DE502006002748	D1	2009-03-19	DE502006002748
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ES2313664	T3	2009-03-01	ES2313664
AT421923	T	2009-02-15	ATE421923
EP1867478	B1	2009-01-28	EP1867478
US20090020028	A1	2009-01-22	US20090020028
IN4491/KOLNP/2007	A	2009-01-02	IN2007KN04491
DE502006001944	D1	2008-12-11	DE502006001944
AT412516	T	2008-11-15	ATE412516
EP1871601	B1	2008-10-29	EP1871601
EP1955846	A1	2008-08-13	EP1955846
EP1867478	A3	2008-04-02	EP1867478
EP1871601	A2	2008-01-02	EP1871601
EP1867478	A2	2007-12-19	EP1867478
WO2006/111556	A3	2007-05-10	WO2006111556
WO2006/111556	A2	2006-10-26	WO2006111556

**Current assignees**

KENIG & BAUER AKTSIENGEZELSHAFT

KOENIG & BAUER

Original document**Earliest application date**

2006-04-20

TI

Joint control of setting for printing cylinders and applicator rolls

Slotting machine for slabs

CN2737536U Y

Current assignees

YANG ZHI

Inventors

YANG ZHI

Priority data including date

2004CN-U094165 2004-10-22

IPC - International classification

B31B-001/22

B31B-050/22*

Family

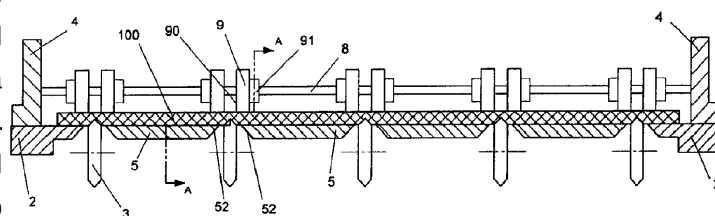
[CN2737536](#)

Y 2005-11-02



(CN2737536)

The utility model relates to a grooving machine for boards (paper boards or wood boards), which comprises a machine body, an operating platform, a tool carrier installed in the machine body, and an adjustable cutting tool installed on the tool carrier, wherein, the cutting edge on the cutting tool is exposed in a through groove of the operating platform, and both sides of the operating platform are provided with installing support seats. The utility model is characterized in that adjustable slave platforms are also arranged at both sides of the cutting tool, the operating platform is provided with a groove corresponding to the through groove, and a sliding rail is arranged on the bottom surface of the groove. The adjustable slave platform is arranged in the groove, and the top plane of the adjustable slave platform and the top plane of the operating platform are on the same level. The adjustable slave platform is provided with stepped holes at a position corresponding to the sliding rail, and the stepped holes are connected with screw nuts arranged in the sliding rail through screw nails. The utility model is also provided with a rolling wheel pressing mechanism which comprises key shafts and rolling wheels, wherein, the key shafts are pivoted on the installing support seats, and the rolling wheels are arranged at both sides of the cutting tool and are sheathed on the key shafts.



Publication numbers

CN2737536

Abstract

(CN2737536)

The utility model relates to a grooving machine for boards (paper boards or wood boards), which comprises a machine body, an operating platform, a tool carrier installed in the machine body, and an adjustable cutting tool installed on the tool carrier, wherein, the cutting edge on the cutting tool is exposed in a through groove of the operating platform, and both sides of the operating platform are provided with installing support seats. The utility model is characterized in that adjustable slave platforms are also arranged at both sides of the cutting tool, the operating platform is provided with a groove corresponding to the through groove, and a sliding rail is arranged on the bottom surface of the groove. The adjustable slave platform is arranged in the groove, and the top plane of the adjustable slave platform and the top plane of the operating platform are on the same level. The adjustable slave platform is provided with stepped holes at a position corresponding to the sliding rail, and the stepped holes are connected with screw nuts arranged in the sliding rail through screw nails. The utility model is also provided with a rolling wheel pressing mechanism which comprises key shafts and rolling wheels, wherein, the key shafts are pivoted on the installing support seats, and the rolling wheels are arranged at both sides of the cutting tool and are sheathed on the key shafts.

Inventors

YANG ZHI

Title

Slotting machine for slabs

Publication numbers with kind code & date[CN2737536](#) Y 2005-11-02 CN2737536U**Current assignees**

YANG ZHI

Original document**Earliest application date**

2004-10-22

TI

Slotting machine for slabs