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# VANTIX

## TABLET PRESSING P Series

# Quality Assurance

Sejong Pharmatech has 20 years of accumulated know-how and its innovative strides for the highest quality and level of technical development makes the company for pharmaceutical machine industry. Sejong Pharmatech has advanced technology from abroad for the development and production of a broad range of pharmaceutical machines to enable Sejong Pharmatech to serve the global pharmaceutical market.

Engineering experts from all pharmaceutical manufacture industries focus on customer's needs and satisfaction to supply the best solutions to improve their production. Also Sejong Pharmatech aims to provide its customers with the best products on the market and impeccable service.

A combination of both will not only fulfill the customers requirements but also give them a supplier they can trust!

# Optimization technology to seek professional values

Sejong Pharmatech, grown with technologies accumulated by innovative research and development effort over 23 years
New beginning for the pursuit of innovation to satisfy customer's desire with optimized technologies, Vantix!

**VANTIX**

Under the philosophy "Optimized Pharmaceutical Machine as Customer Value-Oriented"
In pursuit of High technology and quality with continuous innovaiton
VANTIX series provides unique company-customized service

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# VANTIX

## TABLET PRESSING P Series

### New Control Panel of integrated Design for user satisfaction and convenience

Tablet Presses are the major product family of Sejong Pharmatech as an excellent product with great competitiveness in the global market. The Sejong Pharmatech's Tablet Pressing line which consists of VANTIX P series, are based on the HMI system and designed to be universally easy to use.
All rotary tablet presses in the line are designed to be modified and adjusted in a variety of ways and to meet optimum production efficiency and quality conditions. They are designed to maintain optimum conditions for essential production conditions such as thickness and hardness of tablet in order to ensure maximum tablet production.
In particular, they are designed to be compatible with GMP regulations of each country satisfying FDA's CFR21 PART11 and produced in accordance with thorough quality control criteria. We have obtained CE mark certification to achieve quality standardization of all production equipment. Furthermore, using 3-D CAD software, it has been designed to have a firm and precise structure, and we have applied strict Q.A. and Q.C. quality systems.

## HMI System

It is composed in a simple and easy structure of a panel PC with a large 15-inch touch screen, and easy-to-access UI (User Interface).
Also the perfect data collection through HMI system is able to provide customers with real-time-based production data.
It ensures more stable production through data storage and management functions. And it offers easier control over equipment operation i.e. the applied safety drive function displays an error report in case of malfunction or problems, thereby allowing operators to tackle any problem.

### Supervising Function

Function to determine the operating rights depending on supervisors' levels.

### Reporting Function

Function to enable users to check various production data such as different products, manufacture's serial numbers, users, etc.

## Automatic Weight Control System and Discharge Chute

The computer-controlled automatic weight control system can produce tablets of more accurate quantities.
The discharge chute is equipped with a rejection gate that can discharge defective tablets generated by an initial operation of the equipment and by AWC system as well as a sampling gate that can automatically discharge samples in accordance with setup values during the sampling test.
In addition, we modified the holding handle to make it easy to attach and detach, maximizing the convenience of repair and maintenance.

### AWC Parameter

Function to enter manufacturing information such as the upper and lower limit of thickness, weight, and others for accurate operation of automatic weight control system.

### Monitoring of AWC System

A screen that shows whether tablet production is carried out or not within the frame of standard values of entered target tablet production through graphs.

## Safety Message Function

Basic safety measure against any possible danger for user and machine safety.
This safety function is triggered when machine fails to operate; it pops up a safety message that explains the cause of machine failure on the operating screen with an alarm sound.
If you click the icons, it will show detailed information on the cause of the problem and how to solve, etc.

- EMG S/W Pushing
- Scraper Alarm
- Upper Punch Tightness
- Upper Punch Safety Rail
- Main Motor Overload
- Target Quantity Stop
- Oil Lubrication Alarm
- Insert Handle
- Dust Collector Trip
- Ejection Force Alarm
- Door Opened
- Powder Shortage
- Lower Punch Tightness
- Lower Punch Safety Rail
- Feeder Overload
- Low Air Pressure
- Linear Alarm
- AWC Stop
- Interruption
- Hydraulic Alarm

## Measurement of Punch Pressure & Lubrication System

Punch tight rail and load cell have been equipped in the upper down rail to detect the improper movement of the upper punch in the disk hole, it prevents upper punch and punch from being damaged.
Also, lubrication system is equipped to protect punch and rail. From an automatic lubricator which is installed at the lower part of the machine, that structure supplys oil to upper & lower punch and controlled by the touch screen.

## Ejection Force

If the ejection force exceeds the standard value, it can cause a machine breakdown with the punch getting jammed in the disk.
To solve the problem, Sejong Pharmatech has installed a load cell to detect any inappropriate movement of the lower punch in the disk hall so as to prevent rails and punches from being damaged.

## Tightness

A window to show the upper punch tight, the lower punch tight and ejection force (Discharge pressure).

## Disk Change System

Sejong's unique disk-lifting device developed to improve customer productivity at lower costs can replace disk, punch, and rail at one time without an additional main machine.
Also, this equipment has reduced more than 20% of disk replacement time compared to the previous model.

## Disk Change Set-up Function

Function to aid easy disk replacement, by setting up the top height value of upper pressure roll, the top height value of disk, and the lowest value of operation stand.

## Mechanical Feeder

By simplifying the assembly of the connection between powder hopper and mechanical feeder, it is easier to check the powder supply status through transparent acrylic pipe and sensors and automatically provides powder in case of machinery stoppage or the attachment of powder loading system (option).
It is direct mechanical feeder that easily detached by unscrewing two knobs and with the equipment of lower motor driven ONE-IMPELLER simplified the existing complex power transmission structure so that easy to keep in maintenance.

## Compression Roll

Both upper/lower pre-load and main pressure are applied with same compression roll structure and to exactly divide their locations to distribute loads on the machine and pressure on tablets at the same time.
In addition, increasing the pressure roll to the larger size of the dwell time.
Makes it possible for the production of high-quality.

## Servo Motor Control

You can easily manipulate the precise position control of main running gear by Servo motor. The upper & lower compression rolls, weight adjustment device and the height adjustment of disk lifting device will be displayed digitally on touch screen.

## Implement auto-sampling function to the first layer of the double-layer tablet

An adopted "auto-sampling function to the first layer of the double-layer tablets during production process" for the double-layer production models, VANTIX P Series.
Unlike the previous method that requires to halt the machine for sampling, it is designed to automatically carry out "sampling of the first layer of the double tablets" during the production process with a simple operation from the operation panel during full operation of machine, thereby ensuring a decrease in defect rates and accurate double-layer tablet production.
With the aid of this function, after the initial setting for double-layer tablets, users can carry out automatic sampling when they need to measure the weight, thickness, and hardness of the first layer of thetablets anytime during production.

# VANTIX
## TABLET PRESSING P720D

P 720D tablet pressing is a representative tablet press model of Sejong Pharmatech.
Using HMI system, it collects data perfectly and provides production data on a real-time basis, while storing and managing data to ensure more stable productivity.

# Dimensions with Layout - P720D

VANTIX
TABLET PRESSING P720D

| Description | | Model | | | |
|---|---|---|---|---|---|
| | | 535 | 655 | 779 | 835 |
| No. of Stations | | 53 | 65 | 77 | 83 |
| Pitch Circle Diameter | | Ø 720 | Ø 720 | Ø 720 | Ø 720 |
| Output/Hour | Single | 413,400 | 585,000 | 693,000 | 747,000 |
| | Double | 111,300 | 156,000 | 184,800 | 199,200 |
| Revolution of Disk[rpm] | Single | 15-55 | 15-75 | 15-75 | 15-75 |
| | Double | 10-35 | 10-40 | 10-40 | 10-40 |
| Max Tablet Diameter[mm] | Round | Ø 25 | Ø 16 | Ø 13 | Ø 11 |
| | Oblong | 25 | 19 | 14 | 12 |
| Max. Tablet Thickness[mm] | | 8.5 | 8.5 | 8.5 | 8.5 |
| Filling Depth [mm] / Cam Range[mm] | 0.5-6/0.5-4 (Option) | ✓ | ✓ | ✓ | ✓ |
| | 4.5-10 /2.5-8 | ✓ | ✓ | ✓ | ✓ |
| | 8.5-14 /6.5-12 | ✓ | ✓ | ✓ | ✓ |
| | 12.5-18 / 10.5-16 | ✓ | ✓ | ✓ | ✓ |
| | 16.5-22/14.5-20(Option) | ✓ | — | — | — |
| Upper Punch Insert [mm] | | 1-4 mm (8) | 1-4 mm (8) | 1-4 mm (8) | 1-4 mm (8) |
| Max. Pre-Pressure [ton] | | 10 | 10 | 10 | 10 |
| Max Main Pressure [ton] | | 10 | 10 | 10 | 10 |
| Die Size | | D | B | BB | BBB |
| Punch Size | | EU1"-441, EU-D,TSM-D | EU-B, TSM-B | EU-B, TSM-B | EU-B, TSM-B |
| Machine Height | Excluding hopper | 2,120 mm | | | |
| | Including hopper | 2,185 mm | | | |
| Machine Floor Space [mm] | | 2,254 x 1,672 mm | | | |
| Weight of Machine [kg] | | Approx. 6,500 | | | |
| | | 220/380/400/415/400 V, 50/60 Hz, 3P hase | | | |

※Pre-pressure and Main pressure could be changed depending on the size of the compress and filling depth, powder or granulation.
It is dependent on the physical specification of the used material for the compress.
※The above specification is subject to change without prior notice for the technical development.
※The disk revolution speed is standard of round type.

Top View

Front view

Side view

# VANTIX
## TABLET PRESSING P420S

P420S is based on HMI system to ensure easy use and optimum performance.
This series adopts a disk exchange method to maximize productivity improvement and cost saving effect

# VANTIX
## TABLET PRESSING P420S

| Description | | Model | | | |
|---|---|---|---|---|---|
| | | 31S | 37S | 45S | 47S |
| No. of Stations | | 31 | 37 | 45 | 47 |
| Pitch Circle Diameter | | Ø 420 | Ø 420 | Ø 420 | Ø 420 |
| Output / hour | | 198,100 | 222,000 | 270,000 | 282,000 |
| Revolution of Disc [rpm] | | 15-85 | 15-100 | 15-100 | 15-100 |
| Max Tablet Diameter [mm] | Round | Ø 25 | Ø 16 | Ø 13 | Ø 11 |
| | Oblong | 25 | 19 | 14 | 12 |
| Max Tablet Thickness | | 8.5 | 8.5 | 8.5 | 8.5 |
| Filling Depth [mm] / Cam Range [mm] | 0.5-6 / 0.5-4 [Option] | ✔ | ✔ | ✔ | ✔ |
| | 4.5-10 / 2.5-8 | ✔ | ✔ | ✔ | ✔ |
| | 8.5-14 / 6.5-12 | ✔ | ✔ | ✔ | ✔ |
| | 12.5-18 / 10.5-16 | ✔ | ✔ | ✔ | ✔ |
| | 16.5-22 / 14.5-20 [Option] | ✔ | — | — | — |
| Upper Punch Insert | | 1-4(mm) | 1-4(mm) | 1-4(mm) | 1-4(mm) |
| Max Pre-Pressure [ton] | | 10 | 10 | 10 | 10 |
| Max Main Pressure [ton] | | 10 | 10 | 10 | 10 |
| Die Size | | D | B | BB | BBS |
| Punch Size | | EU-D, TSM-D<br>EU1"-441 | EU-B<br>TSM-B | EU-B<br>TSM-B | EU-B<br>TSM-B |
| Machine Height | Excluding hopper | 2,044mm | | | |
| | Including hopper | 2,113 mm | | | |
| Machine Floor Space | | 1,659mm x 1,285 mm | | | |
| Weight of Machine | | Approx. 4,000 [kg] | | | |
| Power Supply Data | | 220/380/400/415/400 V, 50/60 Hz, 3Phase | | | |

※Pre-pressure and Main pressure could be changed depending on the size of the compress and filling depth, powder or granulation.
It is dependent on the physical specification of the used material for the compress.
※The above specification is subject to change without prior notice for the technical development.
※The disk revolution speed is standard of round type.

# Dimensions with Layout - P420S

Top View

Front View

Side View

## VANTIX TABLET PRESSING P210S

| Description | | Model | | |
|---|---|---|---|---|
| | | 15S | 18S | 22S |
| No. of Stations | | 15 | 18 | 22 |
| Pitch Circle Diameter | | Ø 210 | Ø 210 | Ø 210 |
| Output / hour | | 72,000 | 108,000 | 132,000 |
| Revolution of Disc (rpm) | | 15-80 | 15-100 | 15-100 |
| Max Tablet Diameter (mm) | Round | Ø 25 | Ø 16 | Ø 13 |
| | Oblong | 25 | 19 | 14 |
| Max Tablet Thickness | | 8.5 | 8.5 | 8.5 |
| Filling Depth (mm) / Cam Range (mm) | 0.5-6 / 0.5-4 (Option) | ✓ | ✓ | ✓ |
| | 4.5-10 / 2.5-8 | ✓ | ✓ | ✓ |
| | 8.5-14 / 6.5-12 | ✓ | ✓ | ✓ |
| | 12.5-18 / 10.5-16 | ✓ | ✓ | ✓ |
| | 16.5-22 /14.5-20 (Option) | ✓ | — | — |
| Upper Punch Insert | | 1-4(mm) | 1-4(mm) | 1-4(mm) |
| Max Pre-Pressure (ton) | | 2 | 2 | 2 |
| Max Main Pressure (ton) | | 6 | 6 | 6 |
| Die Size | | D | B | BB |
| Punch Size | | EU-D TSM-D | EU-B TSM-B | EU-B TSM-B |
| Machine Height | Excluding hopper | 1,728mm | | |
| | Including hopper | 1,987mm | | |
| Machine Floor Space | | 800mm x 1,300 mm | | |
| Weight of Machine | | Approx. 2,500 (kg) | | |
| Power Supply Data | | 220/380/400/415/400 V, 50/60 Hz, 3Phase | | |

※Pre-pressure and Main pressure could be changed depending on the size of the compress and filling depth, powder or granulation.
It is dependent on the physical specification of the used material for the compress.
※The above specification is subject to change without prior notice for the technical development.
※The disk revolution speed is standard of round type.

## VANTIX TABLET PRESSING P580D

| Description | | Model | | | |
|---|---|---|---|---|---|
| | | 41S | 51S | 63S | 67S |
| No. of Stations | | 41 | 51 | 63 | 67 |
| Pitch Circle Diameter | | Ø 580 | Ø 580 | Ø 580 | Ø 580 |
| Output/Hour | Single | 319,800 | 459,000 | 567,000 | 603,000 |
| | Double | 86,100 | 122,400 | 151,200 | 160,800 |
| Revolution of Disk(rpm) | Single | 15-65 | 15-75 | 15-75 | 15-75 |
| | Double | 10-35 | 10-40 | 10-40 | 10-40 |
| Max Tablet Diameter(mm) | Round | Ø 25 | Ø 16 | Ø 13 | Ø 11 |
| | Oblong | 25 | 19 | 14 | 12 |
| Max. Tablet Thickness(mm) | | 8.5 | 8.5 | 8.5 | 8.5 |
| Filling Depth (mm) / Cam Range (mm) | 0.5-6 / 0.5-4 (Option) | ✓ | ✓ | ✓ | ✓ |
| | 4.5-10 / 2.5-8 | ✓ | ✓ | ✓ | ✓ |
| | 8.5-14 / 6.5-12 | ✓ | ✓ | ✓ | ✓ |
| | 12.5-18 / 10.5-16 | ✓ | ✓ | ✓ | ✓ |
| | 16.5-22 /14.5-20 (Option) | ✓ | — | — | — |
| Upper Punch Insert (mm) | | 1-4 mm (8) | 1-4 mm (8) | 1-4 mm (8) | 1-4 mm (8) |
| Max. Pre-Pressure (ton) | | 3 | 3 | 3 | 3 |
| Max Main Pressure (ton) | | 10 | 10 | 10 | 10 |
| Die Size | | D | B | BB | BBB |
| Punch Size | | EU1"-441, EU-D,TSM-D | EU-B, TSM-B | EU-B, TSM-B | EU-B, TSM-B |
| Machine Height | Excluding hopper | 2,120 mm | | | |
| | Including hopper | 2,185 mm | | | |
| Machine Floor Space (mm) | | 2,075 x 1500 mm | | | |
| Weight of Machine (kg) | | Approx. 4,500 | | | |
| Power Supply Data | | 220/380/400/415/400 V, 50/60 Hz, 3Phase | | | |

※Pre-pressure and Main pressure could be changed depending on the size of the compress and filling depth, powder or granulation.
It is dependent on the physical specification of the used material for the compress.
※The above specification is subject to change without prior notice for the technical development.
※The disk revolution speed is standard of round type.

# Dimensions with Layout - P580D

Top View

Front View

Side View

# Option Items

## Deduster

A device that shakes up dust on the surface of the discharged tablets from the machine based on vibration principles.
By connecting it to a dust collector, it can absorb dust from tablets and give them an air shower to make them cleaner.

| Description | Deduster |
|---|---|
| Name | Up-hill high speed de-duster |
| Function and capacity | Capacity : 300,000 ~ 1,200,000 / Hour |
| | High speed de-duster and automatic de-dust |
| Electricity spec. | 220V / 60Hz , 200V / 50Hz |
| Electric power | 300 Watts |
| Weight | about 160kg |
| Pressure air | 1 ~ 3Pa |
| Vacuum | 1800 Liter/min |
| Size | Height : 960~1080 / Volume : 500 ~ 700 |

## Dust Collector

Connected to the main body, it enables work in a pleasant environment by powerfully inhaling dust inside the machine.
Also by connecting it to the deduster, it inhales dust coming from the tablets.

| Description | | Model | | | | |
|---|---|---|---|---|---|---|
| | | OVC-5B | OVC-15B | OVC-22B | OVC-37B | OVC-55B |
| Motor Rating (hp) (kW) | | 1 (0.75) | 2 (1.5) | 3 (2.2) | 5 (3.7) | 7.5 (5.5) |
| Max Air Flow (CMM) | 60Hz | 2.1 | 4.4 | 5.2 | 6.5 | 6.6 |
| | 50Hz | 1.9 | 3.5 | 4.1 | 5.5 | 5.6 |
| Max Vacuum (mmAq ±10%) | 60Hz | 1,700 | 2,050 | 2,200 | 2,800 | 3,200 |
| | 50Hz | 1,300 | 1,480 | 1,632 | 2,000 | 2,500 |
| Filter Size | ø / □ | ø100 | ø100 | ø100 | □300 | □300 |
| | Length | 450 | 450 | 600 | 400 | 450 |
| | ea | 6 | 6 | 6 | 9 | 9 |
| Filtering Area (□) | | 0.84 | 0.95 | 1.1 | 2.3 | 2.6 |
| Dust Box Capacity (Lr) | | 20 | 20 | 20 | 40 | 55 |
| Dimension (mm) | W | 420 | 560 | 560 | 700 | 700 |
| | D | 1,050 | 1,050 | 1,050 | 1,300 | 1,400 |
| | H | 1,100 | 1,200 | 1,300 | 1,300 | 1,400 |
| Weight (kg) | | 80 | 83 | 98 | 160 | 172 |

## Universal Tablet Testing System

While the existing AWC is a weight-adjusting system by pressure, the universal tablet testing system is a comprehensive tablet measuring device that measures actual tablet weight to give feedback to the machine.
It is a statistical analysis system that measures a tablet's weight, height, diameter and hardness by regularly carrying out a sampling of tablets discharged from the machine.

## Auto Powder Loading System

This equipment is designed on a sensor-operated vacuum and automatically delivers powder to a hopper inside the machine. As it uses a low-pressure vacuum ejector, it keeps excellent performance in low air pressure of 3 to 4 kilos.
You can choose between automatic mode by sensor and manual mode.
It is easy to mount and dismount and to clean and manage.

| Description | SPL-100 | SPL-200 |
|---|---|---|
| Operating Voltage | 220V, 50 / 60 Hz | |
| Control source | 220V | |
| Dimension (mm) | W400 X D630 X H2,500 | W450 X D820 X H2,620 |
| Weight (kg) | 150 | 200 |
| Compressed air | 6kg / cm² | |

## Constant Amount Feeder

When it is necessary to provide a feeder with a certain amount of powder due to low liquidity or bad ingredients, this constant amount feeder is highly effective.
It can provide a constant amount of powder to the feeder through the rotary motion of the sensor-operated motor and is effective in accurate tablet production if there is a weight variation or bad liquidity through constant powder provision.

# Machine Details

| Model | | | P210S Series | | | P420S Series | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 15S | 18S | 22S | 31S | 37S | 45S | 47S |
| Number of Station | | | 15 | 18 | 22 | 31 | 37 | 45 | 47 |
| Punch Size | EU-35 | | – | – | – | – | – | – | – |
| | EU-D | | ● | – | – | ● | – | – | – |
| | TSM D / EU1"-441 | | ○ | – | – | ○ | – | – | – |
| | EU-B | | – | ● | ● | – | ● | ● | ● |
| | TSM-B | | – | ○ | ○ | – | ○ | ○ | ○ |
| Die size | EU-35 | | – | – | – | – | – | – | – |
| | D type | | ● | – | – | ● | – | – | – |
| | B type | | – | ● | – | – | ● | – | – |
| | BB type | | – | – | ● | – | – | ● | – |
| | BBB type | | – | – | – | – | – | – | ● |
| Filling Depth (mm) | Manual | 4.5~18mm | ○ | ○ | ○ | – | – | – | – |
| | A.W.C | A CAM(0.5~6mm) | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | | B CAM(4.5~10mm) | ● | ● | ● | ● | ● | ● | ● |
| | | C CAM(8.5~14mm) | ● | ● | ● | ● | ● | ● | ● |
| | | D CAM(12.5~18mm) | ● | ● | ● | ● | ● | ● | ● |
| | | E CAM(16.5~22mm) | ○ | – | – | ○ | – | – | – |
| Compression Roller Adjustment | Upper Press Compression | | Manual | Manual | Manual | Motorized | Motorized | Motorized | Motorized |
| | Lower Press Compression | | Manual | Manual | Manual | Motorized | Motorized | Motorized | Motorized |
| | Upper Main Compression | | Manual | Manual | Manual | Motorized | Motorized | Motorized | Motorized |
| | Lower Main Compression | | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized |
| Ejection Force | | | ● | ● | ● | ● | ● | ● | ● |
| Lubrication System with Oil Distribute Pump | | | ● | ● | ● | ● | ● | ● | ● |
| Upper Tight Sensing Device | | | ● | ● | ● | ● | ● | ● | ● |
| Lower Tight Sensing Device | | | ● | ● | ● | ● | ● | ● | ● |
| Discharge Chute | Single Slide | | ● | ● | ● | ● | ● | ● | ● |
| | Dual Slide | | – | – | – | – | – | – | – |
| PLC(OMLON)* | | | ● | ● | ● | ● | ● | ● | ● |
| A.W.C with HMI (Pro-face Panel PC)* | | | ● | ● | ● | ● | ● | ● | ● |
| Option Item | Disk Change Device | | – | – | – | ○ | ○ | ○ | ○ |
| | Additional Disk (with upper and lower rail) | | – | – | – | ○ | ○ | ○ | ○ |
| | Disk Table (only turret change device) | | – | – | – | ○ | ○ | ○ | ○ |
| | Auto Powder Loading | Single Type | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | | Double Type | – | – | – | – | – | – | – |
| | Tablet Deduster | Bottom-up | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | | Top-down | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Dust Collector | Standard | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | | SU304 | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | | 1.5kW | ○ | ○ | ○ | – | – | – | – |
| | | 2.2kW | – | – | – | ○ | ○ | ○ | ○ |
| | | 3.7kW | – | – | – | – | – | – | – |
| | Metal Datector | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | C.A.F(Constant Amount Feeder) | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | U.T.S(Universal Tablet Testing System) | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Calibration Kit for Load -cell | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Magaesium Spray System | | △ | △ | △ | △ | △ | △ | △ |
| | Drum Changer Device | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Open Feeder | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Spare Parts for 2 years | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Machine Height(mm) | Excluding Hopper | | 1,800/1,800/1,800 | | | 2,044 | | | |
| | Including Hopper | | 1,850/1,850/1,850 | | | 2,113 | | | |
| Machine Floor Space(mm) | | | 800x1,300/800x1,300/800x1,300 | | | 1,659x1,285 | | | |
| Weight of Machine (kg) | | | 2500 | | | Approx 4000 | | | |
| Power Supply Data | | | 220/380/400/415/400 V, 50/60 Hz, 3Phase | | | 220/380/400/415/400 V, 50/60 Hz, 3Phase | | | |

| Model | | | P580D Series | | | | P720D Series | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 41S | 51S | 63S | 67S | 53S | 65S | 77S | 83S |
| Number of Station | | | 41 | 51 | 63 | 67 | 53 | 65 | 77 | 83 |
| Punch Size | EU-35 | | – | – | – | – | – | – | – | – |
| | EU-D | | ● | – | – | – | ● | – | – | – |
| | TSM D / EU1"-441 | | ○ | – | – | – | ○ | – | – | – |
| | EU-B | | – | ● | ● | ● | – | ● | ● | ● |
| | TSM-B | | – | ○ | ○ | ○ | – | ○ | ○ | ○ |
| Die size | EU-35 | | – | – | – | – | – | – | – | – |
| | D type | | ● | – | – | – | ● | – | – | – |
| | B type | | – | ● | – | – | – | ● | – | – |
| | BB type | | – | – | ● | – | – | – | ● | – |
| | BBB type | | – | – | – | ● | – | – | – | ● |
| Filling Depth (mm) | Manual | 4.5~18mm | – | – | – | – | – | – | – | – |
| | A.W.C | A CAM(0.5~6mm) | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | | B CAM(4.5~10mm) | ● | ● | ● | ● | ● | ● | ● | ● |
| | | C CAM(8.5~14mm) | ● | ● | ● | ● | ● | ● | ● | ● |
| | | D CAM(12.5~18mm) | ● | ● | ● | ● | ● | ● | ● | ● |
| | | E CAM(16.5~22mm) | ○ | – | – | – | ○ | – | – | – |
| Compression Roller Adjustment | Upper Press Compression | | Manual | Manual | Manual | Manual | Motorized | Motorized | Motorized | Motorized |
| | Lower Press Compression | | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized |
| | Upper Main Compression | | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized |
| | Lower Main Compression | | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized | Motorized |
| Ejection Force | | | ● | ● | ● | ● | ● | ● | ● | ● |
| Lubrication System with Oil Distribute Pump | | | ● | ● | ● | ● | ● | ● | ● | ● |
| Upper Tight Sensing Device | | | ● | ● | ● | ● | ● | ● | ● | ● |
| Lower Tight Sensing Device | | | ● | ● | ● | ● | ● | ● | ● | ● |
| Discharge Chute | Single Slide | | ○ (*) | ○ (*) | ○ (*) | ○ (*) | ○ (*) | ○ (*) | ○ (*) | ○ (*) |
| | Dual Slide | | ● | ● | ● | ● | ● | ● | ● | ● |
| PLC(OMLON)* | | | ● | ● | ● | ● | ● | ● | ● | ● |
| A.W.C with HMI (Pro-face Panel PC)* | | | ● | ● | ● | ● | ● | ● | ● | ● |
| Option Item | Disk Change Device | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Additional Disk (with upper and lower rail) | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Disk Table (only turret change device) | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Auto Powder Loading | Single Type | ○ | ○ | ○ | ○ | – | – | – | – |
| | | Double Type | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Tablet Deduster | Bottom-up | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | | Top-down | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Dust Collector | Standard | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | | SU304 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | | 1.5kW | – | – | – | – | – | – | – | – |
| | | 2.2kW | – | – | – | – | – | – | – | – |
| | | 3.7kW | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Metal Datector | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | C.A.F(Constant Amount Feeder) | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | U.T.S(Universal Tablet Testing System) | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Calibration Kit for Load -cell | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Magaesium Spray System | | △ | △ | △ | △ | △ | △ | △ | △ |
| | Drum Changer Device | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Open Feeder | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Spare Parts for 2 years | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Machine Height(mm) | Excluding Hopper | | 2,120 | | | | 2,120 | | | |
| | Including Hopper | | 2,185 | | | | 2,185 | | | |
| Machine Floor Space(mm) | | | 2,075x1,500 | | | | 2,254x1,672 | | | |
| Weight of Machine (kg) | | | Approx 4500 | | | | Approx 6,500 | | | |
| Power Supply Data | | | 220/380/400/415/400 V, 50/60 Hz, 3Phase | | | | 220/380/400/415/400 V, 50/60 Hz, 3Phase | | | |

(*) Double layer apply ● Standard ○ Option △ Applicable Soon – Not Applicable

※ PLC model and AWC negotiable one consultation controlled change occurs.