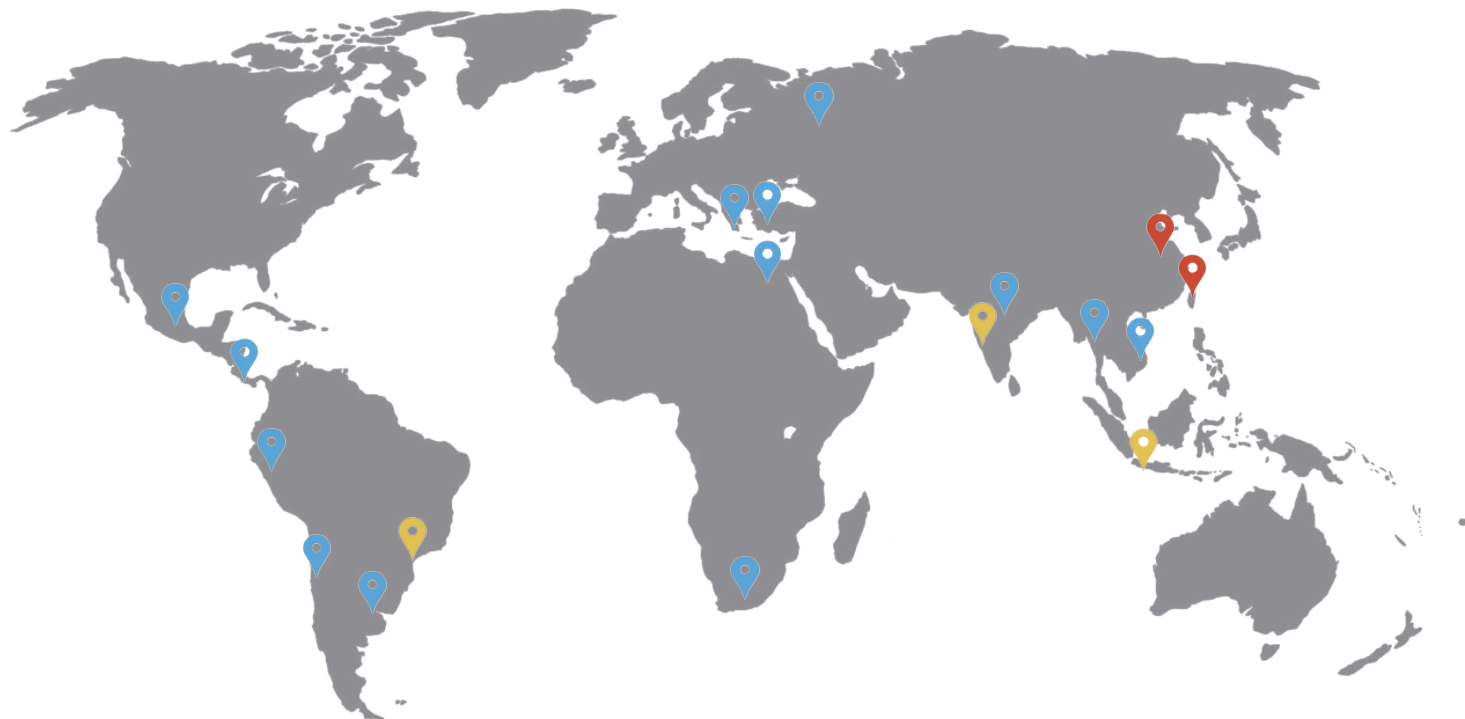


SEWT

Expert of Packaging Molding

JONWAI, established in 1971

sells machines to 35 countries with worldwide service support



📍 Headquarter / Factory 📍 Branch office 📍 Agent / Service Center



JONWAI
Jonwai Machinery Works

jonwai.com | infor.tw@jonwai.com.tw



JONWAI
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Cutlery | Closure

Microwave Container

In-Mold-Labeling Container

Disposable Light Weight Crate

Ultra Thin Flower Pot



Expert of Packaging Molding

Food packaging industry refers to closure, microwave container and cutlery items. High production output, good quality product and low running cost are the basic requirements in this field.

However, food packaging items are not easy applications due to thin wall thickness and light product weight. Hence, molding requires high injection speed with precise control. On top of that, machine should be capable for long term operation with fast cycle.

When producing IML container such as yogurt cup and ice cream container, SEWT series guarantees high precision of machine which is the essential key to cut defect rate.

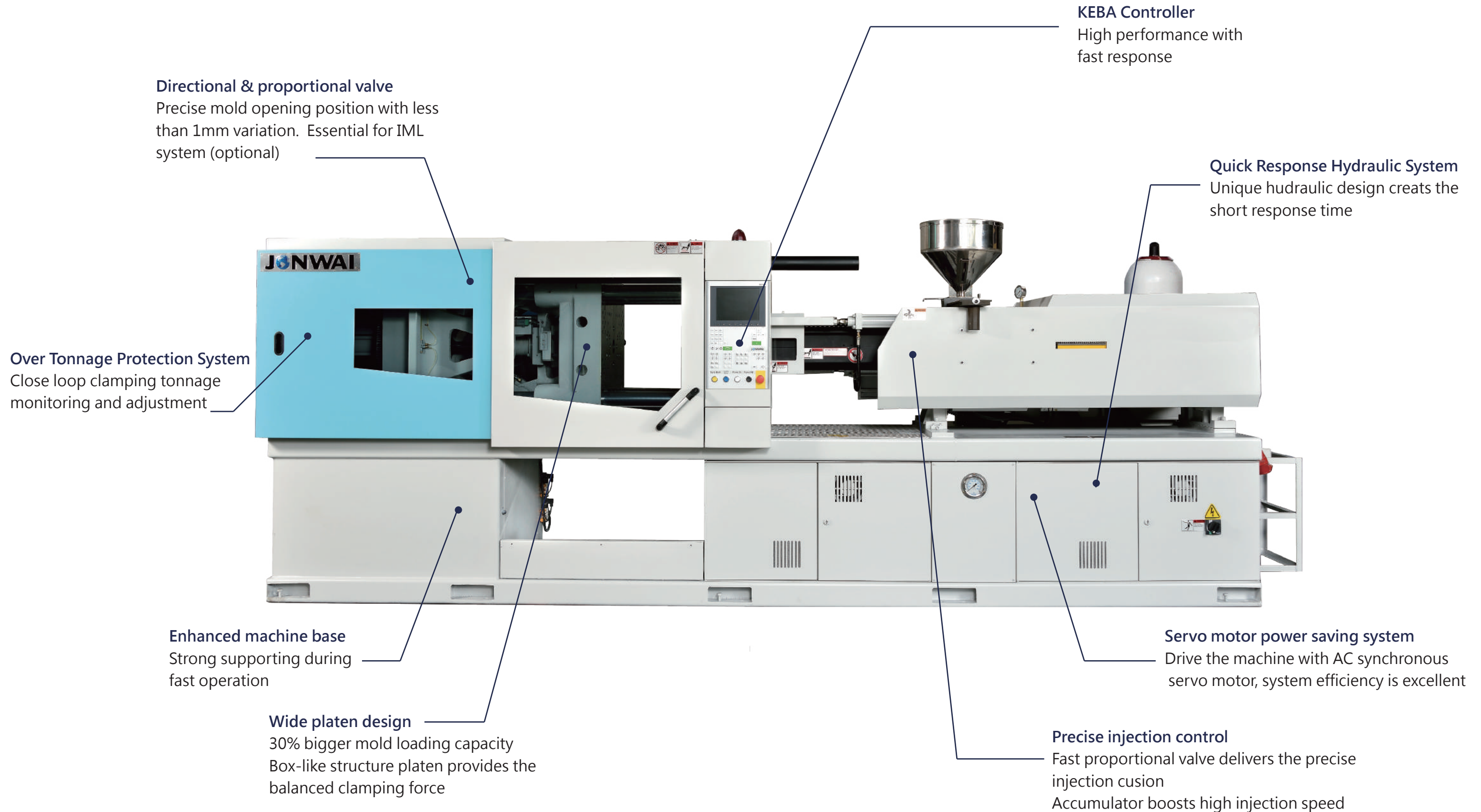
SEWT series is capable to load bigger molds with more cavities because of wider platen design. Running with automation system can further maximize production output.

Injection speed of SEWT can achieve up to 300mm/sec because machine equips with accumulator. This helps to shape the ultra thin flower pot and disposable light weight crate easily.

SEWT machine design is approved by worldwide main suppliers in food packaging industry. We believe it can also become your stepping stones of your business.

Design for packaging

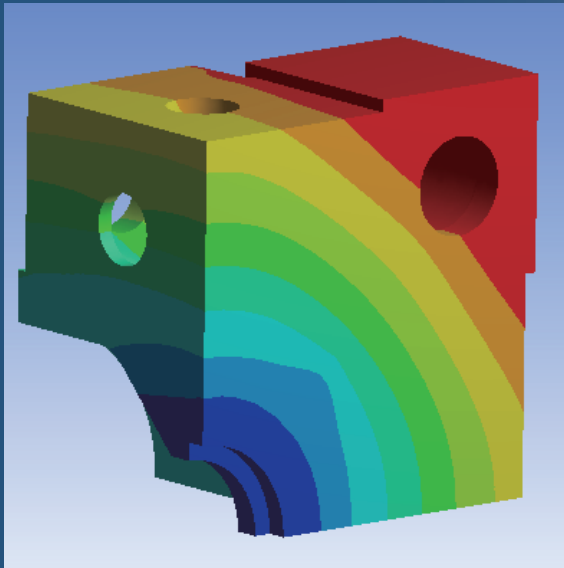
The overview of SEWT injection molding machine



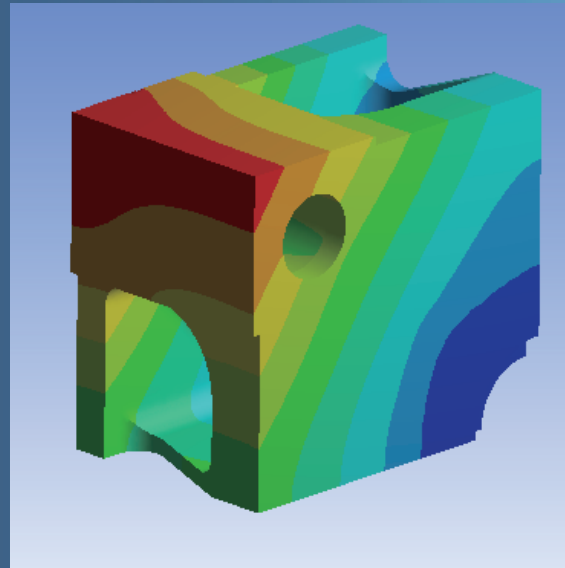
New Wide Platen design reduces the platen deformation

The in-mold pressure of thin wall items is higher than other applications. Our wider platen design enhances mechanical strength which can reduce platen deformation. Product quality and mold lifetime are ensured.

Fix Platen

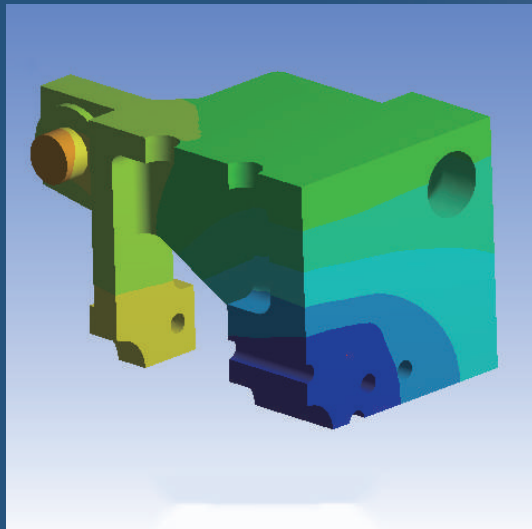


Old Design

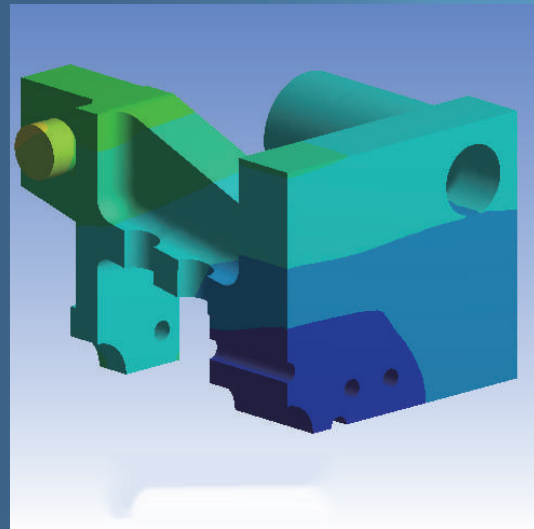


Wide Platen Design

Moving Platen



Old Design



Wide Platen Design

Enhanced & smart clamping unit

Wide platen design

Mold loading space increased 30%

Bigger mold, more cavities, higher output

Wider platen machines enlarge mold loading space. Customer can load bigger molds or molds with more cavities

Production is more flexible with more output.

Existing molds are able to run on SEW smaller tonnage machines

Power saving and faster cycle time

Same mold can load on smaller tonnage of SEWT machine.

Smaller machines consume less power and dry cycle is faster.

Over tonnage protection system

Close loop clamping force control

Machines equip with advanced strain gauge. The system detects the real clamping tonnage and adjust according to the tonnage setting. Machines maintain the same clamping tonnage during the production.

Eliminate over-loading problem

If detected clamping force is higher than tonnage setting or exceeds the designed tonnage due to wrong parameter setting, machine alarms and stops production. Prevent over clamping force to damage machine and mold.

Precise mold open position

High reproducibility of the mold opening position.

SEWT series equip with proportional directional valve, perfect solution which provides the precise mold opening position. Variation of opening position is less than 1mm. This kind of high reproducibility is essential for IML (in-mold-labeling) system. The proportional directional valve is optional function of SEWT series.

Boosting speed & precise control

High injection speed

The injection speed can reach 300mm/sec with accumulator. SEWT machine can shape any items easily.

Powerful controller

KEBA controllers equip with outstanding CPU, response time is short even machines are under multiple tasks.

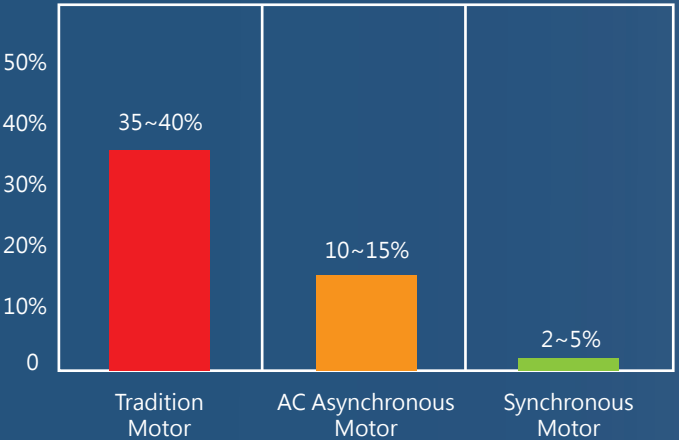
Customized function

We do programming by ourselves. We can customize required functions and sequence for customers.

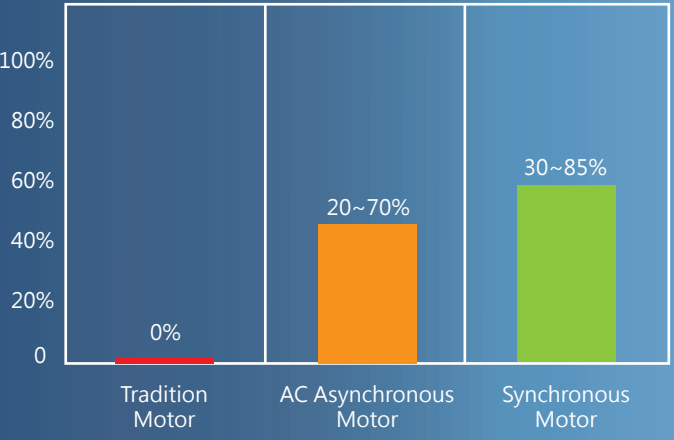
AC Synchronous servo power saving system

With servo motor power saving system, machine can save 30~50% power consumption during production. The response time of hydraulic system is also fast.

Motor current consumption under cooling



Power saving



Precise, efficient, powerful

To build a machine is easy. To build one efficient, powerful, easy to operate machine is a challenging job.

Jon Wai focus on building the reliable machine more than 45 years. Now we are one of the leading company in Taiwan.

We believe our machine will be stepping stones of your business.

JW-SEWTS machine specification

| MODELS | | 130SEWTS | | | 200SEWTS | | | 230SEWTS | | | 280SEWTS | | | 320SEWTS | | | 420SEWTS | | | 530SEWTS | | |
|---------------------------|--------|-----------------|------|------|-----------------|------|------|----------------|------|------|------------------|------|------|------------------|------|------|----------------|------|------|------------------|------|------|
| INJECTION UNIT | | i12e | | | i18e | | | i22e | | | i25e | | | i30e | | | i40e | | | i50e | | |
| SCREW DIAMETER | mm | 38 | 42 | 45 | 50 | 55 | 60 | 55 | 60 | 65 | 60 | 65 | 70 | 65 | 70 | 75 | 70 | 75 | 80 | 75 | 85 | 95 |
| INJECTION CAPACITY | cm3 | 193 | 236 | 270 | 471 | 570 | 679 | 618 | 735 | 863 | 792 | 929 | 1078 | 1029 | 1193 | 1370 | 1385 | 1590 | 1810 | 1811 | 2327 | 2906 |
| SHOT SIZE (PS) | gr | 170 | 208 | 238 | 416 | 503 | 599 | 546 | 649 | 730 | 699 | 821 | 952 | 908 | 1054 | 1210 | 1224 | 1405 | 1599 | 1601 | 2056 | 2569 |
| PLASTICIZING CAPACITY | kg/hr | 62 | 83 | 104 | 111 | 131 | 150 | 138 | 158 | 196 | 126 | 157 | 190 | 164 | 198 | 222 | 193 | 222 | 255 | 196 | 263 | 338 |
| INJECTION PRESSURE(MAX) | kg/cm2 | 2402 | 1966 | 1713 | 2394 | 1978 | 1662 | 2428 | 2040 | 1738 | 2288 | 1949 | 1681 | 2173 | 1873 | 1632 | 2213 | 1928 | 1695 | 2321 | 1807 | 1447 |
| SCREW SPEED RANGE | rpm | 0~237 | | | 0~188 | | | 0~192 | | | 0~160 | | | 0~171 | | | 0~171 | | | 0~151 | | |
| SCREW TORQUE | kg-m | 89 | | | 178 | | | 222 | | | 278 | | | 334 | | | 334 | | | 467 | | |
| NOZZLE STROKE | mm | 325 | | | 365 | | | 395 | | | 425 | | | 485 | | | 525 | | | 575 | | |
| NOZZLE CONTACT FORCE | tons | 5.6 | | | 5.6 | | | 5.6 | | | 8 | | | 8 | | | 8 | | | 8 | | |
| CLAMPING UNIT | | | | | | | | | | | | | | | | | | | | | | |
| CLAMPING FORCE | ton | 130 | | | 200 | | | 230 | | | 280 | | | 320 | | | 420 | | | 530 | | |
| CLAMP STROKE(MAX) | mm | 360 | | | 450 | | | 500 | | | 550 | | | 650 | | | 800 | | | 900 | | |
| MOLD HEIGHT(MIN-MAX) | mm | 150~550 | | | 150~650 | | | 150~700 | | | 250~760 | | | 250~900 | | | 280~1000 | | | 320~1050 | | |
| OPEN DAYLIGHT | mm | 510~910 | | | 600~1100 | | | 650~1200 | | | 800~1310 | | | 900~1550 | | | 1080~1800 | | | 1220~1950 | | |
| PLATEN SIZE(HxV) | mm | 720 x 620 | | | 830 x 730 | | | 890 x 790 | | | 1020 x 870 | | | 1130 x 950 | | | 1230 x 1070 | | | 1340 x 1200 | | |
| TIE BAR DISTANCE | mm | 510 x 410 | | | 580 x 480 | | | 620 x 520 | | | 730 x 580 | | | 810 x 630 | | | 880 x 720 | | | 960 x 820 | | |
| HYDRAULIC EJECTOR FORCE | ton | 3.9 | | | 5.3 | | | 5.3 | | | 7 | | | 7 | | | 11 | | | 11 | | |
| HYDRAULIC EJECTOR STROKE | mm | 100 | | | 130 | | | 150 | | | 160 | | | 180 | | | 210 | | | 210 | | |
| HYDRAULICS | | | | | | | | | | | | | | | | | | | | | | |
| SYSTEM PRESSURE | kg/cm2 | 170 | | | 170 | | | 170 | | | 170 | | | 170 | | | 170 | | | 170 | | |
| OIL RESERVOIR CAPACITY | us.gal | 67 | | | 115 | | | 130 | | | 159 | | | 173 | | | 195 | | | 235 | | |
| ELECTRICS | | | | | | | | | | | | | | | | | | | | | | |
| POWER SUPPLY(STANDARD) | volt | 220 | | | 220 | | | 220 | | | 220 | | | 220 | | | 220 | | | 220 | | |
| MOTOR RATED | HP | 25+15 | | | 40+15 | | | 50+20 | | | 50+20 | | | 60+25 | | | 60+30 | | | 75+30 | | |
| NO. OF HEATING NOZE | set | 4 | | | 4 | | | 5 | | | 5 | | | 5 | | | 5 | | | 6 | | |
| HEATING WATTAGE | kw | 10.7 | | | 18.9 | | | 20.95 | | | 22.7 | | | 25.85 | | | 29.95 | | | 38.3 | | |
| GENERAL | | | | | | | | | | | | | | | | | | | | | | |
| WATER REQUIREMENTS(MAX) | gpm | 11.2 | | | 18.7 | | | 18.7 | | | 18.7 | | | 21.2 | | | 21.2 | | | 26.2 | | |
| MACHINE DIMENSIONS(LxWxH) | M | 5.4 x 1.7 x 1.8 | | | 6.2 x 1.9 x 1.9 | | | 6.8 x 2 x 1.98 | | | 7.3 x 2.1 x 2.08 | | | 8.1 x 2.1 x 2.33 | | | 9 x 2.2 x 2.42 | | | 9.5 x 2.3 x 2.51 | | |
| MACHINE WEIGHT | kg | 6000 | | | 8300 | | | 10000 | | | 13400 | | | 15600 | | | 21200 | | | 26800 | | |
| HOPPER CAPACITY | kg | 50 | | | 50 | | | 50 | | | 100 | | | 100 | | | 100 | | | 100 | | |

* Please note the speifications are subject to change without notice.