



PREMIER EQUIPMENT

YOUR PLASTICS MACHINERY SOURCE

ID# PE515

2001 STAR ROBOT TW-2000FM-3

PRESS SIZE: 1600-2500 TON

YEAR: 2001

MODEL: TW-2000FM-3

CONTROLLER: STEC-430



This list is subject to change without notice.

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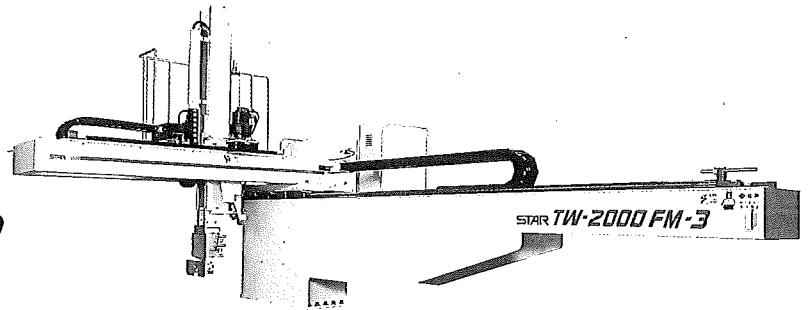
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Adaptable Injection Press
1600~2500
ton

TW-2000FM-3



COMMON SPECIFICATIONS

| POWER SOURCE | AIR PRESSURE | DRIVE SYSTEM | POSTURE (AIR CYLINDER) | AIR CYLINDER DRIVING FORCE (Air Pressure at 0.49 MPa) | | STANDARD CONTROL BOX |
|---------------------|------------------------------------|--|---------------------------|---|--|-------------------------|
| | | | | MAX. LOAD, INCL. CHUCK WEIGHT | POSTURE TORQUE | |
| AC200V ±10% 50/60Hz | 0.49MPa (5kgf/cm ²) | IM SERVO MOTOR AIR CYLINDER AIR CYLINDER | 90° FIXED | 40kg (60kg) | 81.7N·m [8.34kgf·m] (160.9N·m [16.42kgf·m]) | STEC-430 |

GENERAL SPECIFICATIONS

| MODEL | Electric Consumption (kVA) | Stroke | | | Accuracy of Movement (mm) | Net Weight (kg) | | Dry cycle (sec/cycle) | | Air Consumption (N ₂ /cycle) |
|-------------|----------------------------------|----------------------------|-----------------------------|-----------------------------|--|-----------------|-------------|--------------------------|------------------|---|
| | | Vertical (mm) (ACSERVO) | Crosswise (mm) (ACSERVO) | Traverse (mm) (IM Servo) | | Main Body | Control Box | Extract Dry cycle | ALL Dry cycle | |
| TW-2000FM-3 | 7.6 | 2000 (2500) | 550~2150 | 3600 (4000) | Vertical / Crosswise ±0.2 Traverse ±0.8 | 2630 | 75 | 3.7 | 24.0 | 125 |

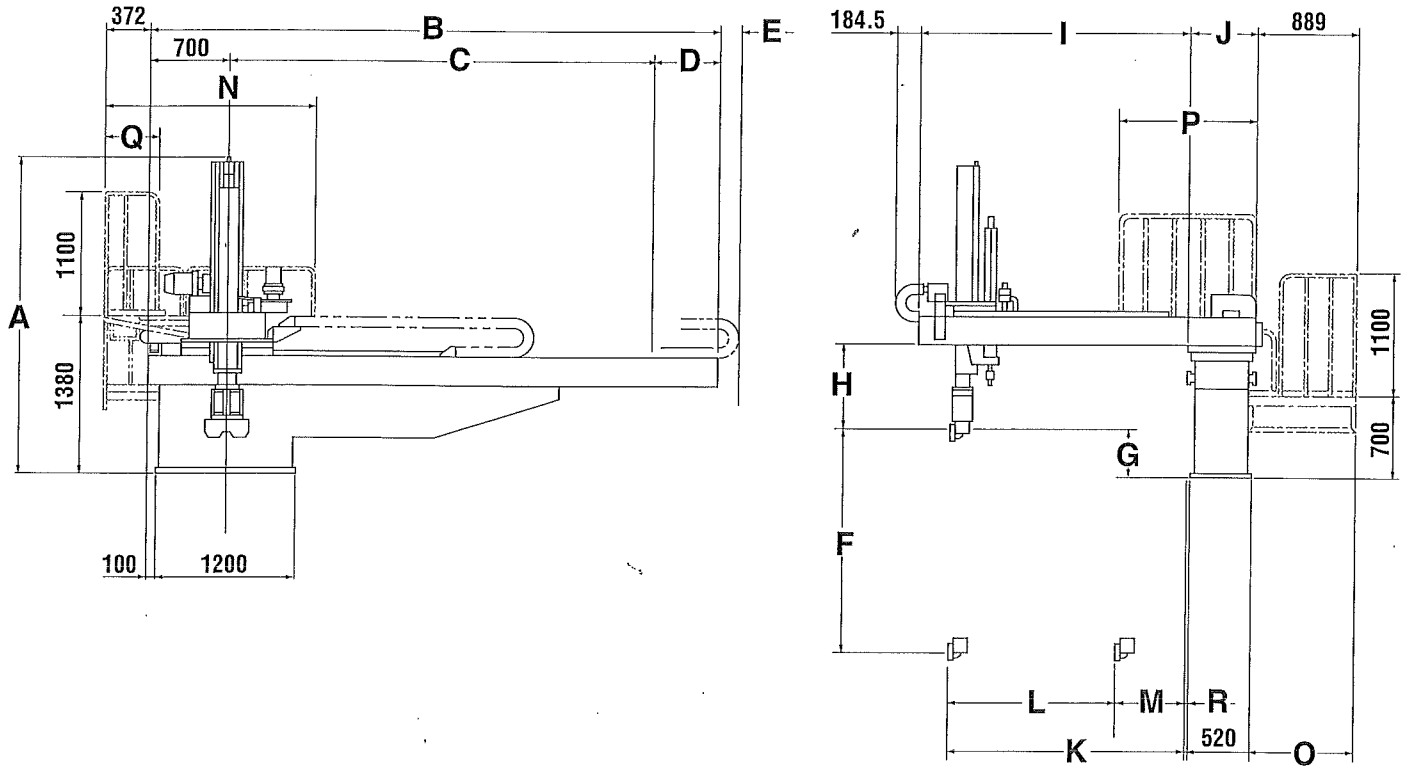
● Figures in () show option strokes. *Dry cycle is for L-shaped movement. All timers set at 0 and no ejector timer used.

OPTION LIST

| OPTION | MODEL | CODE NO. | FM TYPE | Remarks |
|-------------------------|--|---------------|--------------------|--|
| | | | STEC-430(STANDARD) | |
| Product Extract Side | Extraction from fixed mold | 0014-03 | ⊙ | |
| | Vacuum generator with sensing unit | 0007-05 | ⊙ | |
| | Mold release spray circuit | 0013-02 | ⊙ | Excluding Auto-Ben itself |
| | Air blow circuit | 0019-01·02 | ⊙ | For mold or product |
| | Extract circuit for under-cut mold | 0016-01 | ⊙ | |
| | Limit switch for product confirmation | 0087-01 | ⊙ | |
| | Product rotation | 0025-01-02-03 | ⊙ | Select from 90° fixed, within mold, outside mold or release side |
| | Vertical Arm descent standby at product extract side | 0054-01 | ○ | |
| | Mold close during arm ascent | 0055-01 | ○ | |
| Traverse | Servo head ass-y for both posture and rotation | 0052-01-02-03 | ⊙ | Turnover 186°, Rotation 300° (Max) |
| | Defective product reject circuit | 0018-01 | ○ | Available with an output signal from IMM. |
| | Hinge circuit | 0075-01 | ⊙ | |
| Product Release Side | Delayed traverse | 0026-01 | ⊙ | |
| | Air nipper in chuck | 0008-01 | ⊙ | |
| | Positioning 1~99 | | ○ | Each axis (traverse, vertical and crosswise) |
| Others | Horizontal rotation | 0025-05 | ⊙ | |
| | Release products at two different points | 0001-01 | ⊙ | |
| | External memory card | 0032-04 | ⊙ | Holds up to 50 different mold set-up programs |
| | I.M.M. Link operation | 0032-05 | ⊙ | RS232C, Relay Contact. |
| | Centralized lubrication unit w/Manual pump | 0084 | ⊙ | |
| | Centralized lubrication unit w/Auto pump | 0084 | ⊙ | |

● ⊙ built in standard function ○ possible add-on ● Some combinations of options may not be available due to excess of controller's capacity.

OUTER DIMENSIONS



OUTER DIMENSIONS

| | (mm) | | | | | | | | | | | | | | | | | | |
|-------------|----------------|---------------|-----------------|------------------------|----------------------|-----------------|------------------|---|---------------|-----------|----------------------|-----------------------|------------------------|------------------------------|-----------------------------|---------------------------------------|--------------------------------------|-------------|--|
| MODEL | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | |
| | Overall height | Overall width | Traverse stroke | Overhang, release side | Cable guide Overhang | Vertical stroke | Vertical standby | Bottom of crosswise to chuck mount position | Crosswise arm | Thickness | Crosswise reach max. | Crosswise stroke max. | Crosswise standby min. | Platform at rail side length | Platform at rail side width | Platform at carriage unit side length | Platform at carriage unit side width | Base offset | |
| TW-2000FM-3 | 2764 | 5000 | 3600 | 700 | 177 | 2000 | 398 | 761.5 | 2380 | 600 | 2150 | 1600 | 550 | 1847 | 927 | 1550 | 500 | 10 | |

- Thickness of posture area is basically about 205.3mm (depends on tubing).
- In case Product rotation is attached, dimension of "G" is 274mm and thickness of posture area is 206.3mm.
- W/o ladder for platform at railside.

● All stated here are subject to change without advance notice.



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