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.

Adaptable Injection Press 1600~2500 ton

TW-2000FM-3

STAR TW-2000FM-3
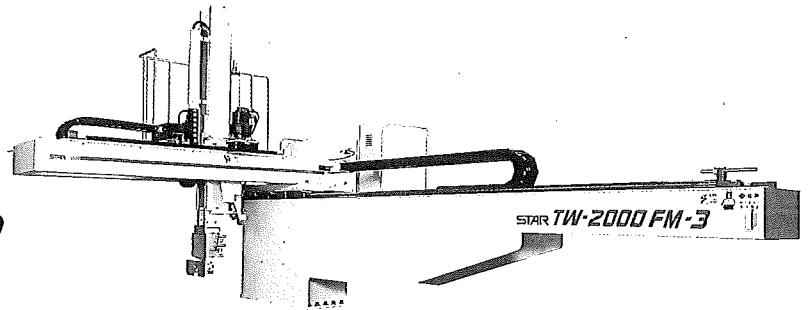
■ COMMON SPECIFICATIONS

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/cm²]	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

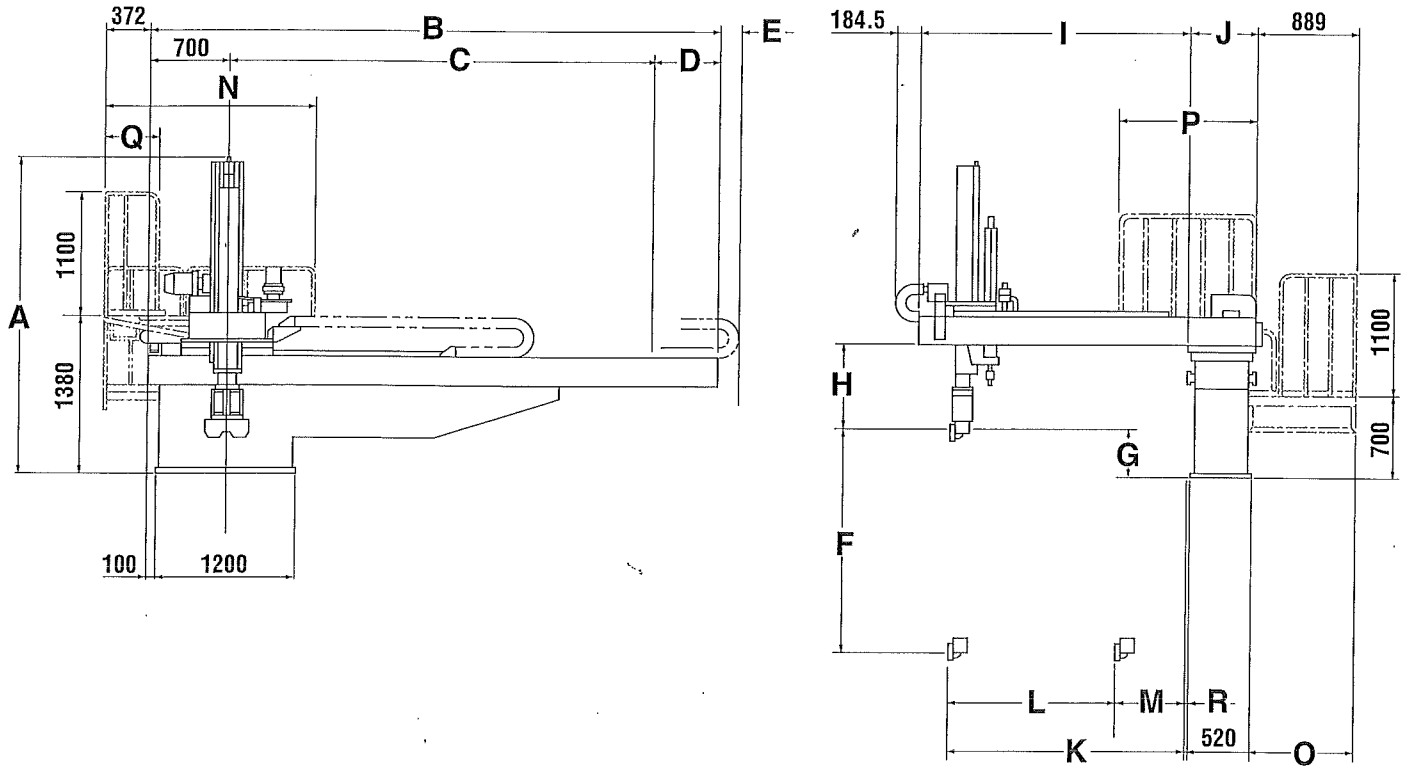| MODEL	Electric Consumption (kVA)	Stroke			Accuracy of Movement (mm)	Net Weight (kg)		Dry cycle (sec/cycle)		Air Consumption (Nℓ/cycle)
		Vertical (mm) (ACSERVO)	Crosswise (mm) (ACSERVO)	Traverse (mm) (IM Servo)		Main Body	Control Box	Extract Dry cycle	ALL Dry cycle	
TW-2000FM-3	7.6	2000 (2500)	550~2150	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 STEC-430(STANDARD)	Remarks
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	○	
	Servo head ass-y for both posture and rotation	0052-01・02・03	◎	Turnover 186°, Rotation 300° (Max)
Traverse	Defective product reject circuit	0018-01	○	Available with an output signal from IMM.
	Hinge circuit	0075-01	◎	
	Delayed traverse	0026-01	◎	
Product Release Side	Air nipper in chuck	0008-01	◎	
	Positioning 1~99		○	Each axis (traverse, vertical and crosswise)
	Horizontal rotation	0025-05	◎	
	Release products at two different points	0001-01	◎	
Others	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 adopt ● Some combinations of options may not be available due to excess of controller's capacity.

■OUTER DIMENSIONS

■OUTER DIMENSIONS

(mm)

MODEL	A Overall height	B Overall width	C Traverse stroke	D Overhang, release side	E Cable guide Overhang	F Vertical stroke	G Vertical standby	H Bottom of crosswise to chuck mount position	I Crosswise arm	J Thick-ness	K Crosswise reach max.	L Crosswise stroke max.	M Crosswise standby min.	N Platform at rail side length	O Platform at rail side width	P Platform at carriage unit side length	Q Platform at carriage unit side width	R 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.