

CTM-WI-CF

C-FRAME WAX INJECTION MACHINE

QUALITY - PERFORMANCE - RELIABILITY

THE CTM C-FRAME WAX INJECTION MACHINE
IS DESIGNED TO PRODUCE HIGH QUALITY WAX PATTERNS

- Cleveland Tool and Machine produces C-Frame Wax Injection Machines that range in sizes from 15 to 50 Tons with die working area of 14 to 30 inches.

* LARGER SIZES AVAILABLE UPON REQUEST

STANDARD FEATURES

INJECTION SYSTEM:

- Our in-line injection system allows the wax to be injected in a straight line from the injection chamber through our unique nozzle design and into the die. This insures a smooth laminar flow that prevents turbulence.
- Auto purge of wax after each cycle
- Auto wax charge between cycles
- 4 zones of temperature control

PRESS:

- T-Slots on bottom and moving platen
- Low oil level alarm/shutdown
- High temperature alarm/shutdown
- Ultra quiet pumping system
- Panels around machine
- Independent platen cooling

OPERATOR:

- All functions on easy-to-use interface
- No pressure operator buttons
- Built to NFPA, ANSI, & OSHA safety standards



CTM-WI-CF 25 (SHOWN WITH ELECTRONIC INJECTION CONTROL)

CONTACT

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WARRANTY

Machines will carry a full
1 year warranty on all
materials and workmanship.

CTM C-FRAME WAX INJECTION MACHINE SPECIFICATIONS

Machine Model	CTM-WI-CF 15	CTM-WI-CF 25	CTM-WI-CF 50
Clamp Force - tons	0-15 ton (0-13.6)	0-25 ton (0-22.7)	0-50 ton (0-45.4)
Press closing speed	1.5 in./sec (3.8cm/sec)	1.5 in./sec (3.8cm/sec)	1.5 in./sec (3.8cm/sec)
Press opening speed	1.5 in./sec (3.8cm/sec)	1.5 in./sec (3.8cm/sec)	1.5 in./sec (3.8cm/sec)
Die mounting	1/2 in T-Slots	1/2 in T-Slots	1/2 in T-Slots
Water cooled platens	Included	Included	Included
Wax reservoir capacity	7.5 Gal (28.5 Liter)	7.5 Gal (28.5 Liter)	7.5 Gal (28.5 Liter)
Shot size	100 cu.in (1639cc)	100 cu.in (1639cc)	100 cu.in (1639cc)
Injection pressure	0-600 psi (41bar)	0-800 psi (56 bar)	0-800 psi (56 bar)
Injection flow rate maximum	10 cu.in/sec (163cc)	15 cu.in/sec (245cc)	15 cu.in/sec (245cc)
Injection cycle time	0-999 sec.	0-999 sec.	0-999 sec.
Nozzle tip size	3/8 rad. (.95cm)	3/8 rad. (.95cm)	3/8 rad. (.95cm)
Heating system	120 volt- 4 zones	120 volt- 4 zones	120 volt- 4 zones
Hydraulic system pressure	2000psi (138 bar)	2500 psi (102 bar)	2500 psi (102 bar)
Hydraulic pump type	Press. compensated	Press. compensated	Press. compensated
Hydraulic reservoir capacity	10 Gal. (37 Litre)	20 Gal. (74 Litre)	20 Gal. (74 Litre)
Hydraulic cooling system	Water cooled	Water cooled	Water cooled
Min. cooling water flow	3 GPM (11 LPM)	3 GPM (11 LPM)	3 GPM (11 LPM)
Max. cooling water temperature	80-F (27C)	80-F (27C)	80-F (27C)
Cooling water connection	1/2 inch NPT	1/2 inch NPT	1/2 inch NPT
Standard Electric	460V 3Ph 60 HZ 20 @	460V 3Ph 60 HZ 30 @	460V 3Ph 60 HZ 30 @
Approximate weight	4500 Lbs (2045Kgs)	5500 Lbs (2500Kgs)	9500 Lbs(4318Kgs)
A Height	76 in. (193cm)	88 in. (223cm)	98 in. (249cm)
B Width	42 in. (106.5cm)	50 in. (115cm)	55 in. (140cm)
C Depth	72 in. (183cm)	71 in. (190cm)	90 in. (228cm)
D Floor to table	34.5 in (88cm)	34.5 in (88cm)	34.5 in (88cm)
E Press area	18 in. (46 cm)	20 in. (51 cm)	30 in. (76 cm)
F Press open	2-14 in. (5-36 cm)	2-20 in. (5-51 cm)	2-24 in. (5-61 cm)
G Nozzle In/Out	0-6.12 (0-15.5cm)	0-6.12 (0-15.5cm)	0-6.12 (0-15.5cm)
H Nozzle Up/Dn	0-8 in. (0-20cm)	0-8 in. (0-20cm)	0-8 in. (0-20cm)
I Press Depth	18 in. (46cm)	20 in. (51cm)	30in. (76cm)
J Work table	15 in. (38cm)	15 in. (38cm)	15 in. (38cm)
K Work table	15 in. (38cm)	14 in. (38cm)	15 in. (38cm)
L With shuttle table	N/A	22 in. (56cm)	32 in. (81cm)

Dimensions are subject to change without notice.
Metric dimensions shown in ().

