

MA5300V-4500

MARS 5 Series: Toggle Clamp Servo-Hydraulic

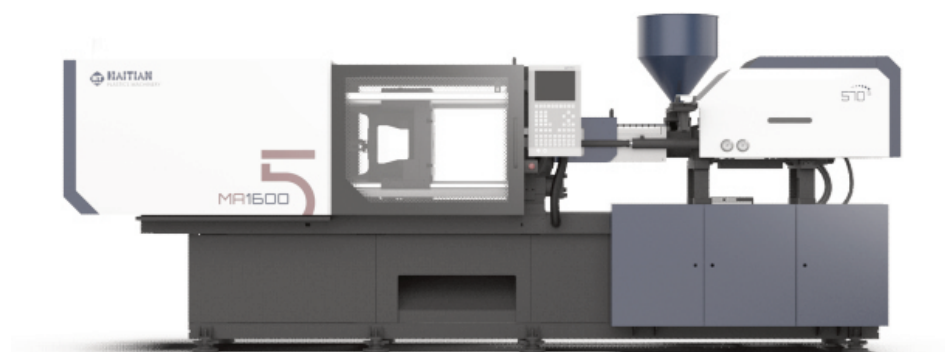


Clamping Unit		MA5300V/4500
Clamping Force	kN	5300
Mold Opening Stroke (Min/Max)	mm	850
Minimum Mold Height	mm	350
Maximum Mold Height	mm	850
Maximum Daylight	mm	1700
Distance Between Tie-Bars (HXV)	mm	840x830
Platen Dimensions (HXV)	mm	1240x1250
Ejector Stroke	mm	220
Ejector Force	kN	158

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Injection Unit		4500		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	80	85	90
Screw L/D Ratio	L/D	23.4	22	20.8
Injection Volume (theoretical)	cm ³	2211	2496	2799
Injection Weight (PS)	g	2012	2272	2547
Injection Rate (PS)	g/s	516	583	654
Injection Pressure	MPa	210	186	165
Plasticizing Rate (GPPS)	g/s	80.2	88.7	101
Screw Speed	rpm	200	200	200



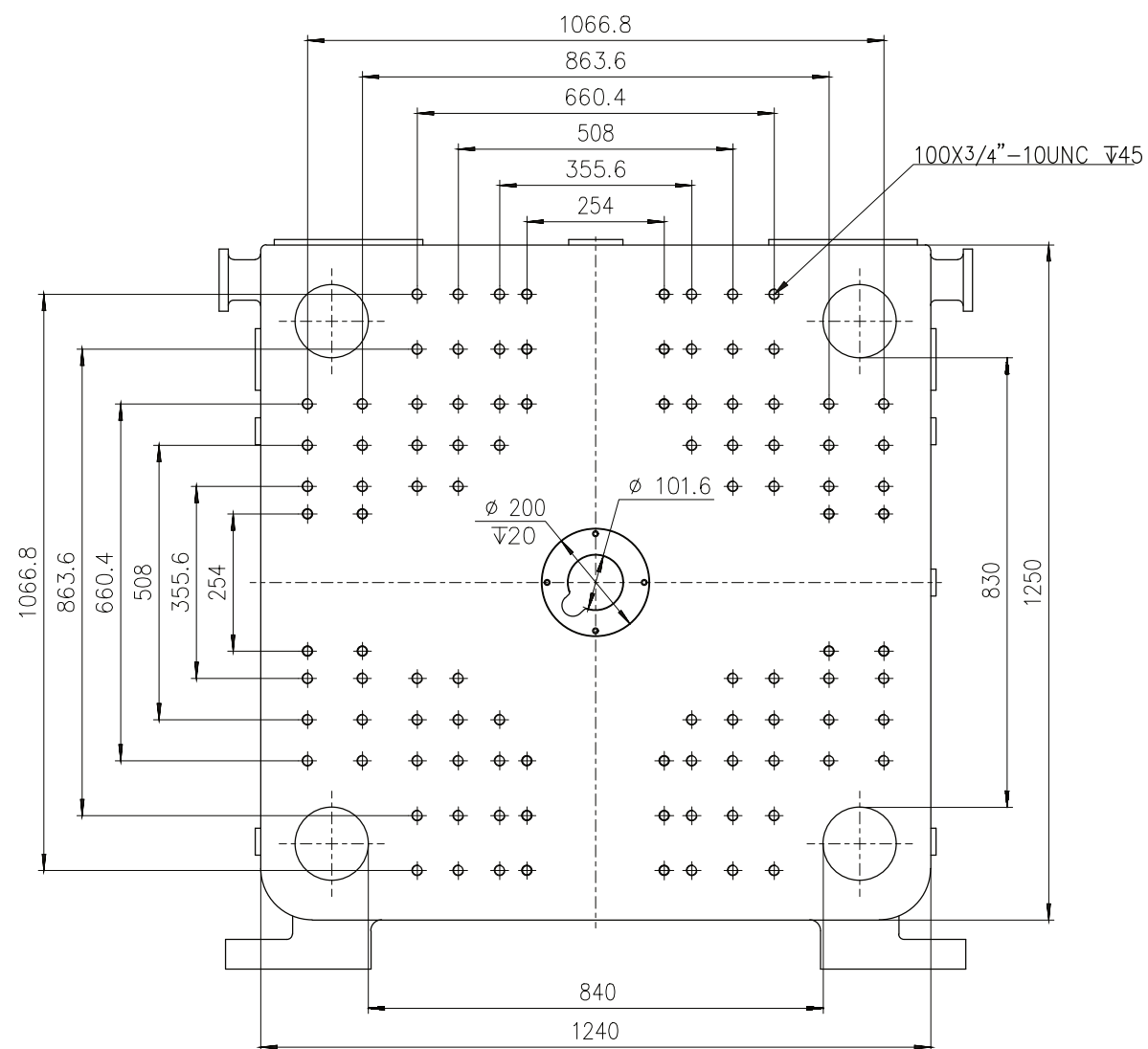
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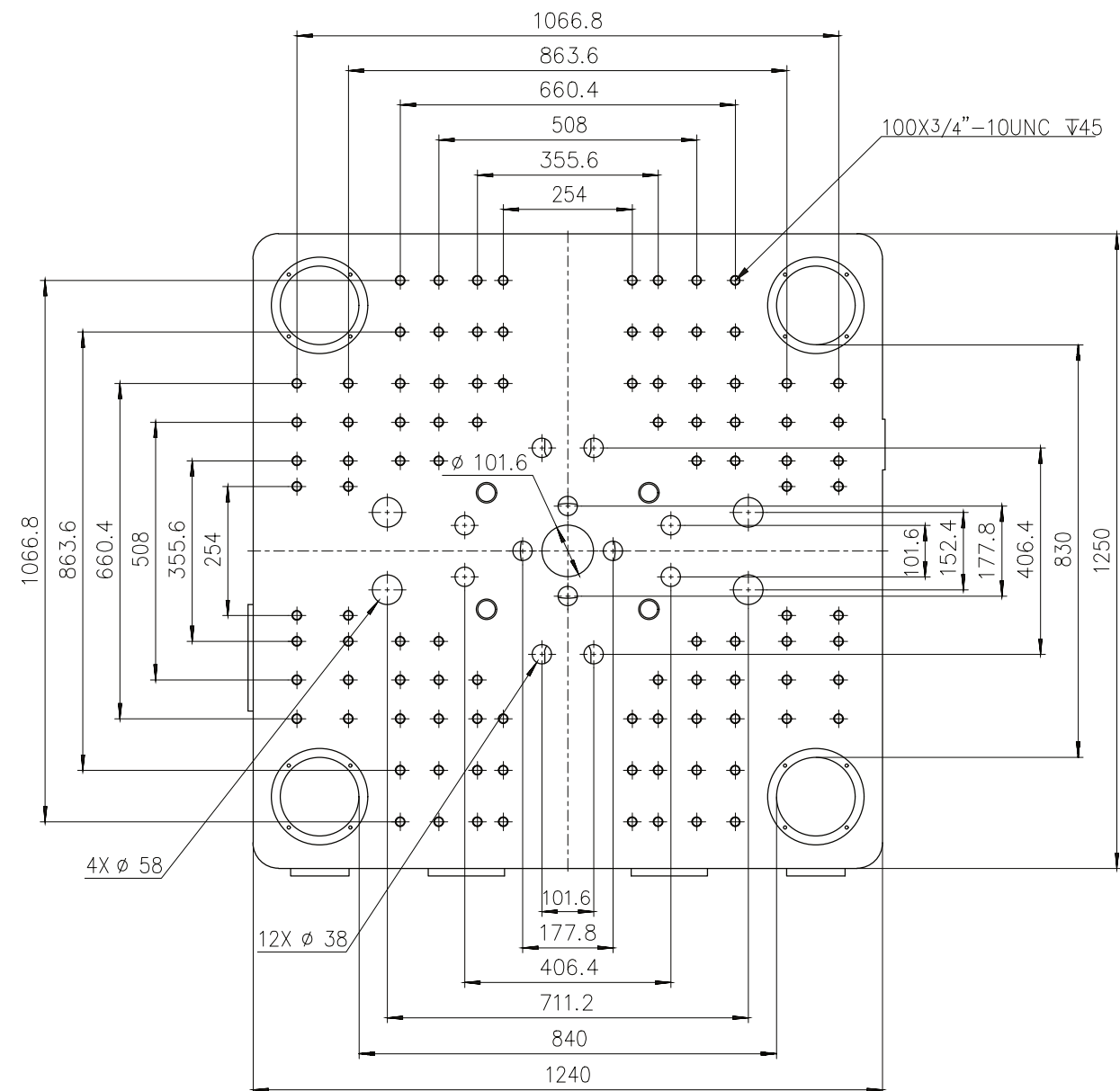
Other		
Pump Motor Power	kW	85
Heater Power	kW	48
Machine Dimension (LxWxH)	m	9.17x2.04x2.73
Machine Weight	t	23
Hopper Capacity	kg	100
Oil Tank	l	720

***NOTE:**

1. Electric screw drive (screw rotate) is standard for injection units under 10600. For injection units 10600 and above electric screw drive is optional.
2. Machine dimensions and weights are based on the international standard configuration and are for reference only. Any options or country specific requirements will affect this. Contact Cabletech Marketing service department for machine specific information.
3. Power requirements are based on the international standard configuration and are for reference only. Any options or country specific requirements will affect this. Contact Cabletech Marketing service department for machine specific information.



Fixed Platen



Moving Platen

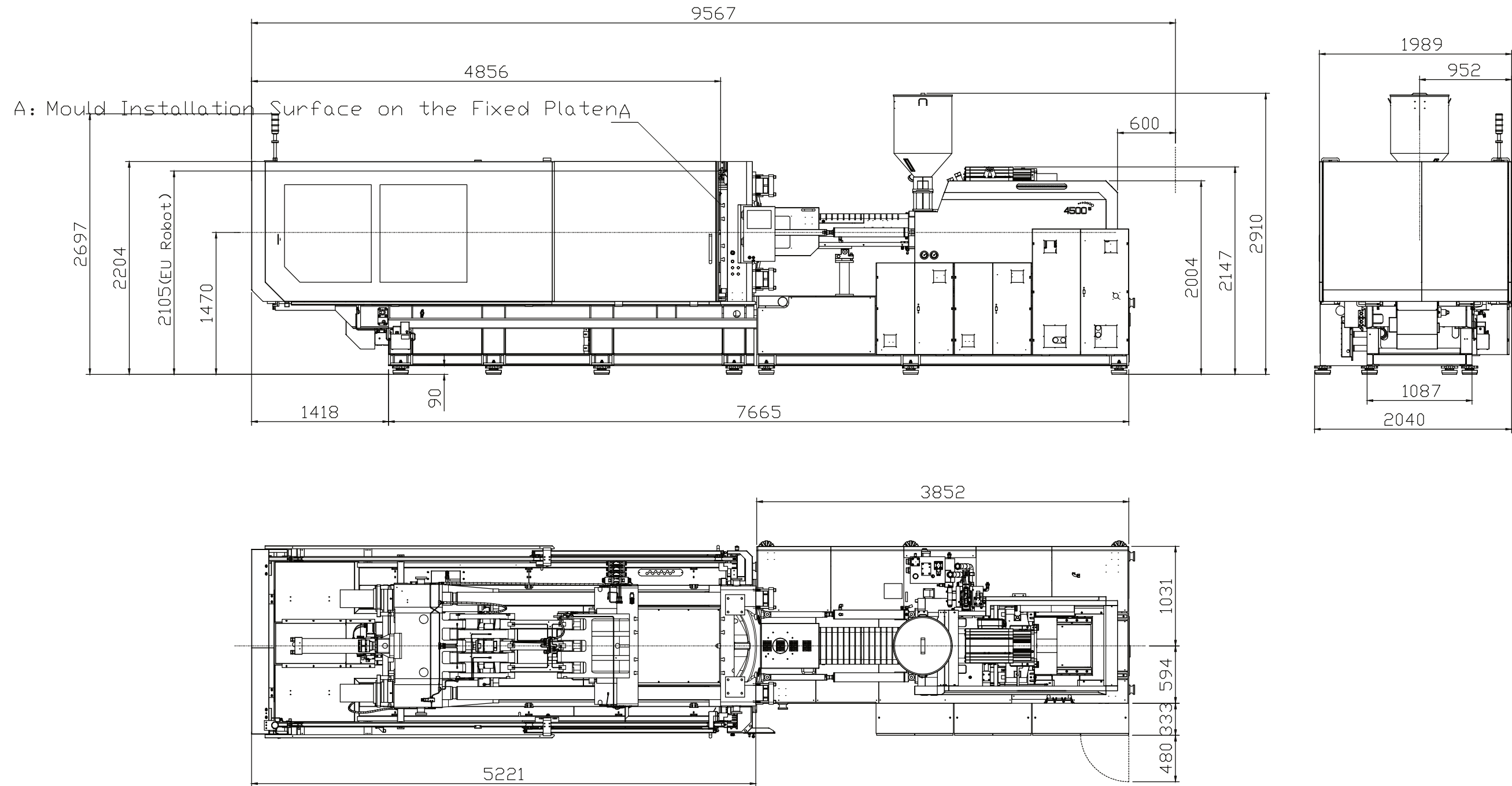


Title: MAV 5300 Fixed & Moving Platens Drawing				
Machine Model: MAV 5300			Sheet: 1 of 1	
Machine Serial Number:			Drawn By: Harry	Date: 1/9/2024
Machine Tonnage:			Chkd By: LEON XIE	Date: 1/9/2024
Revision	Date:	Drawing #:	NOT TO SCALE	Size: 11 X 17 "B"
Rev #: 1			Units: mm / [in]	
Rev #: 2			Material: Part: Part: Part: Part:	
Rev #: 3				
Rev #: 4				
Rev #: 5				

PLEASE READ:
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility requirements for space, part clearance, overhead clearance, or any other interference. By signing this document, the customer accepts full responsibility for this design and application.

Customer: _____ Customer Approval: _____
Authorized Signature

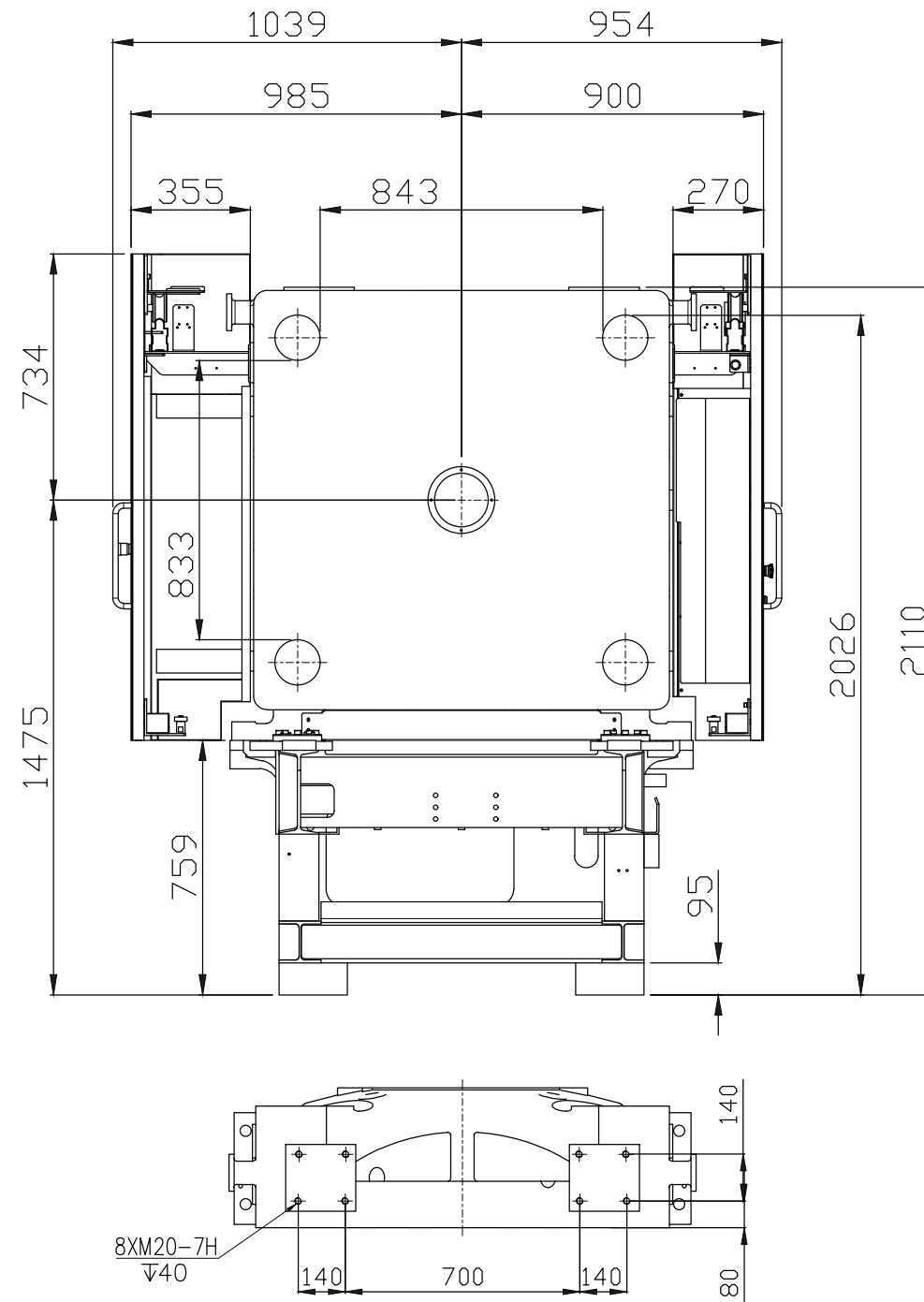
Notes:



Title: MA V 5300 Layout Drawing			
Machine Model: MA V 5300		Sheet: 1 of 1	
Machine Serial Number:		Drawn By: Harry	Date: 3/21/2024
Machine Tonnage:		Chkd By: LEON XIE	Date: 3/21/2024
Revision	Date:	Drawing #: Layout	NOT TO SCALE
Rev #: 1			Size: 11 X 17 "B"
Rev #: 2			Units: mm / [in]
Rev #: 3			Material:
Rev #: 4			Part:
Rev #: 5			Part:

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Customer:	Customer Approval: Authorized Signature

Notes:



Title: MA V 5300 Robot Mounting Drawing				
Machine Model: MA V 5300			Sheet: 1 of 1	
Machine Serial Number:			Drawn By: Harry	Date: 4/9/2024
Machine Tonnage:			Chkd By: LEON XIE	Date: 4/9/2024
Revision	Date:	Drawing #: Robot Mounting	NOT TO SCALE	Size: 11 X 17 "B"
Rev #: 1				Units: mm / [in]
Rev #: 2				Material:
Rev #: 3				Part:
Rev #: 4				Part:
Rev #: 5				Part:

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Notes:
