

MA7000V-5000

MARS 5 Series: Toggle Clamp Servo-Hydraulic

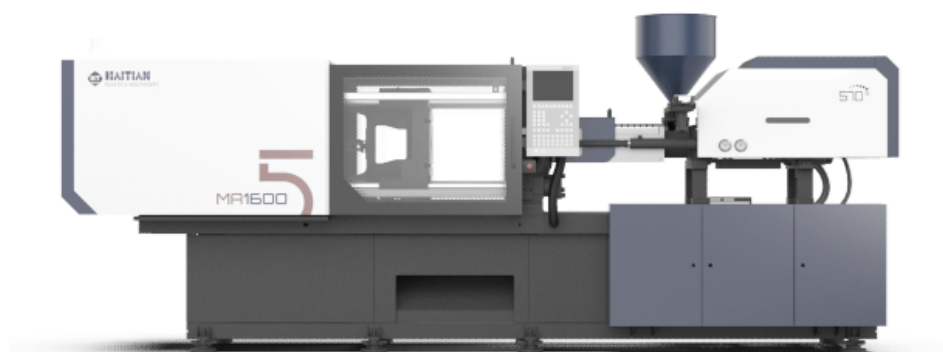


Clamping Unit		MA7000V/5000
Clamping Force	kN	7000
Mold Opening Stroke (Min/Max)	mm	970
Minimum Mold Height	mm	400
Maximum Mold Height	mm	940
Maximum Daylight	mm	1910
Distance Between Tie-Bars (HXV)	mm	960x940
Platen Dimensions (HXV)	mm	1405x1386
Ejector Stroke	mm	260
Ejector Force	kN	186

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Injection Unit		5000		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	80	90	100
Screw L/D Ratio	L/D	24.8	22	19.8
Injection Volume (theoretical)	cm ³	2261	2862	3534
Injection Weight (PS)	g	2058	2605	3216
Injection Rate (PS)	g/s	549	694	857
Injection Pressure	MPa	237	187	152
Plasticizing Rate (GPPS)	g/s	85	107	131
Screw Speed	rpm	190	190	190



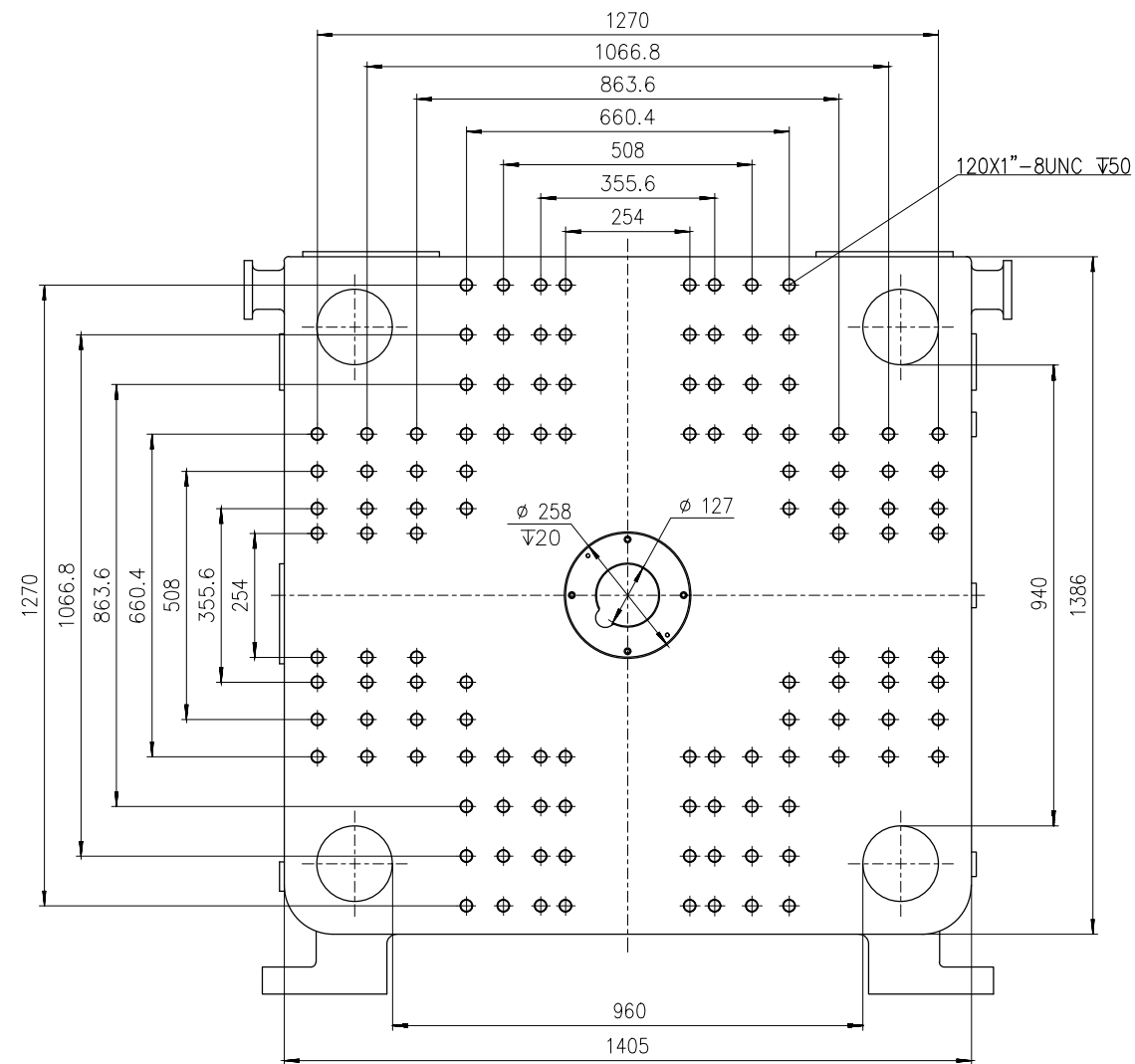
MA7000V-5000

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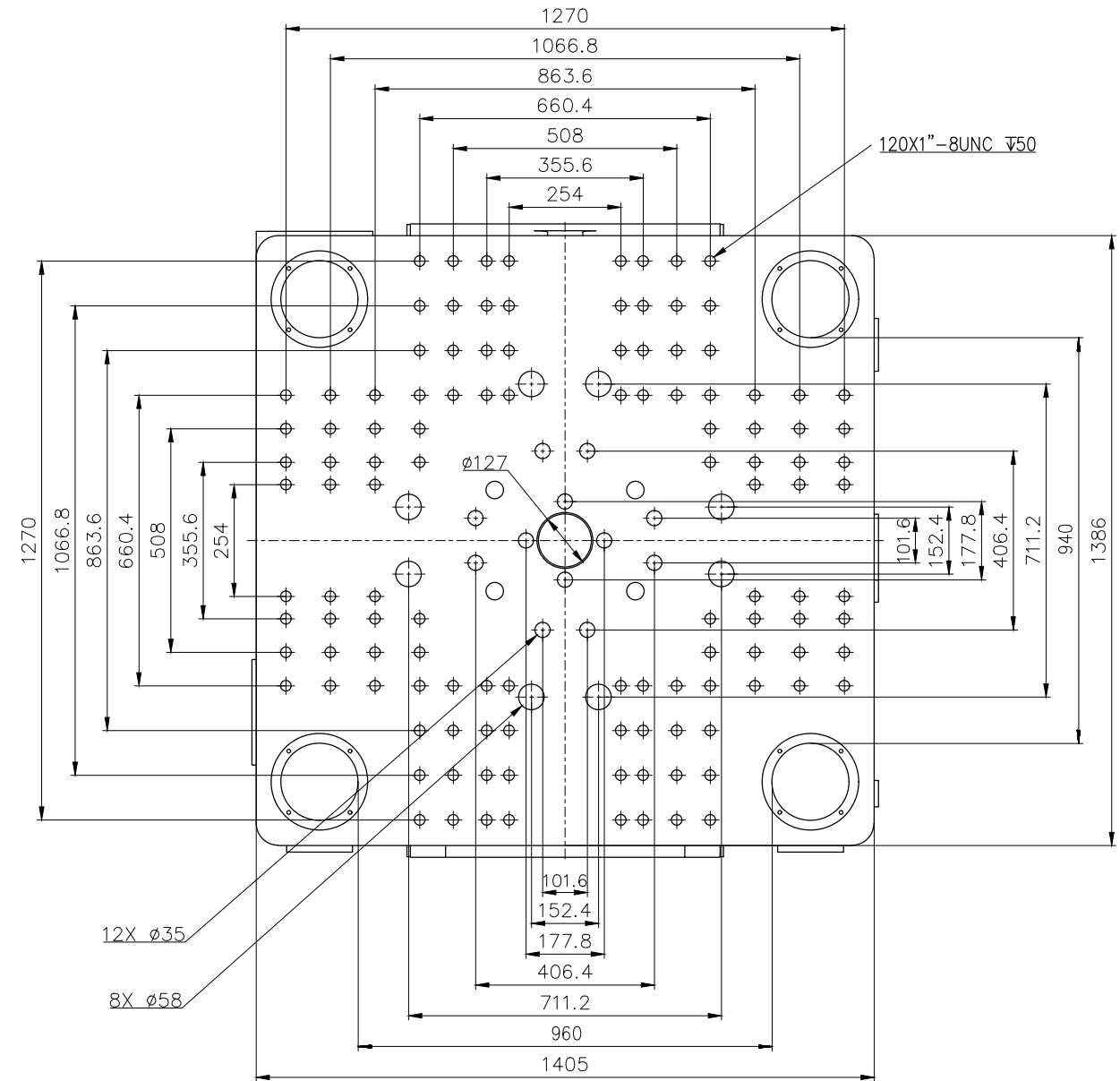
Other		
Pump Motor Power	kW	65+37
Heater Power	kW	54.3
Machine Dimension (LxWxH)	m	10.47x2.24x2.74
Machine Weight	t	32
Hopper Capacity	kg	100
Oil Tank	l	790

***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 7000 Fixed & Moving Platens Drawing

Machine Model: MAV 7000

Machine Serial Number:

Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 1/9/2024

Chkd By: LEON XIE

Date: 1/9/2024

Revision Date: Drawing #:

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

NOT TO SCALE

Size: 11 X 17 "B"

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

PLEASE READ:

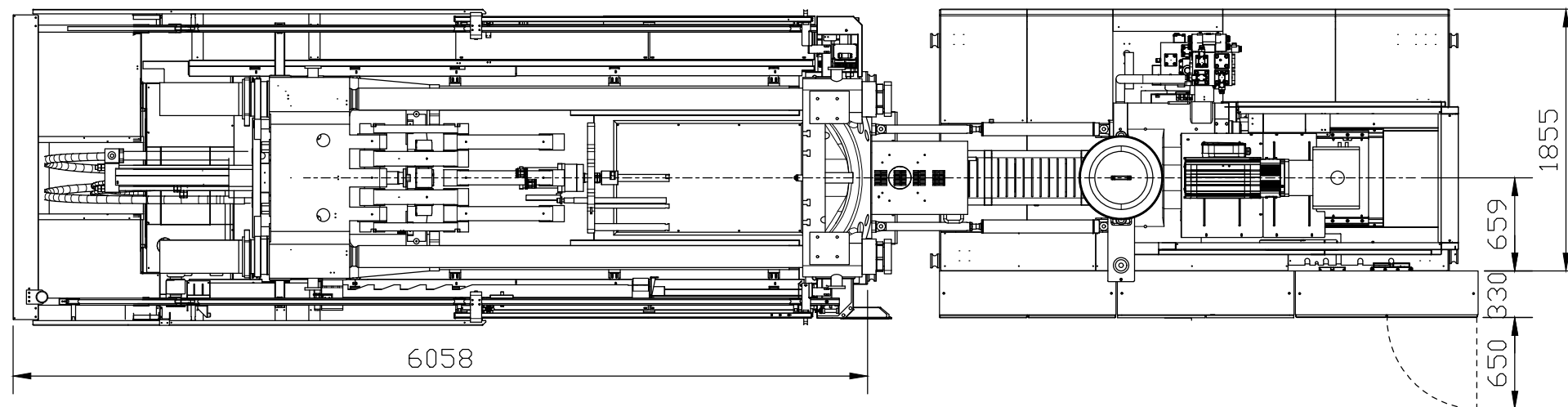
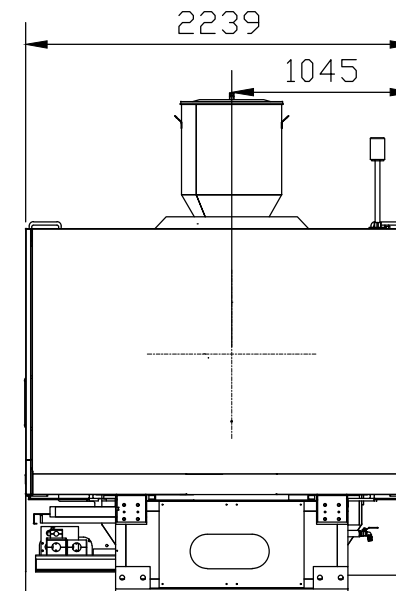
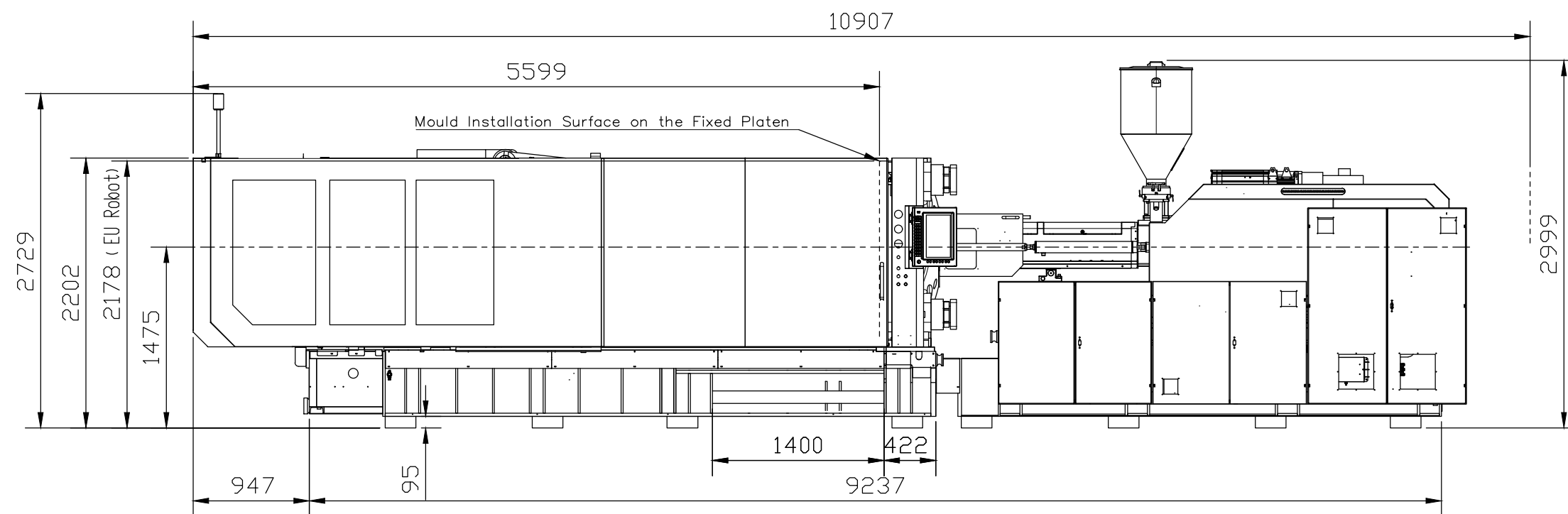
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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 7000 Layout Drawing

Machine Model: MA V 7000

Machine Serial Number:

Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 3/27/2024

Chkd By: LEON XIE

Date: 3/27/2024

NOT TO SCALE

Size: 11 X 17 "B"

Revision

Date:

Drawing #: Layout

Units: mm / [in]

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Material:

Part:

Part:

Part:

Part:

Part:

PLEASE READ:

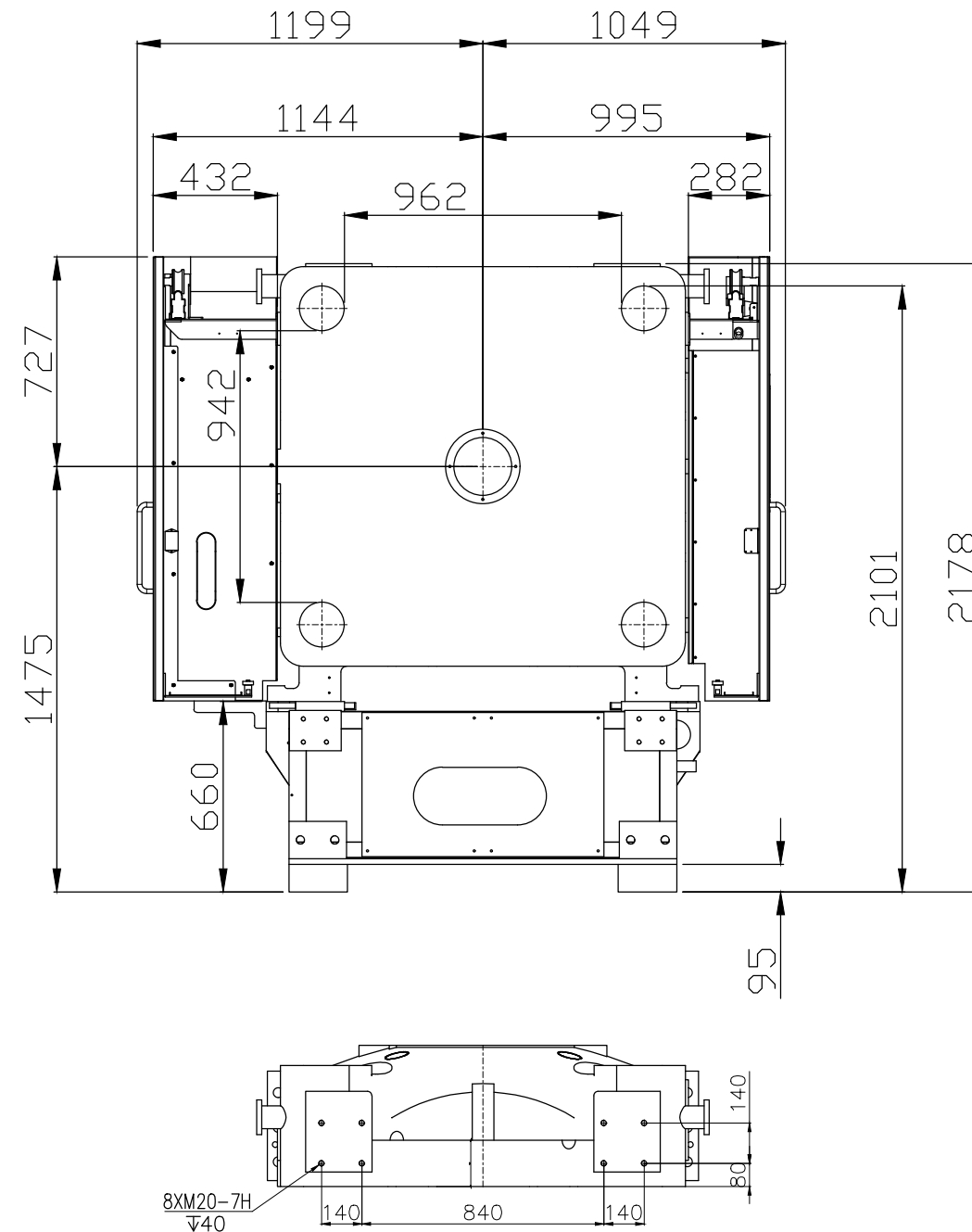
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Customer:

Customer Approval:

Authorized Signature

Notes:



Title: MA V 7000 Robot Mounting Drawing				
Machine Model: MA V 7000			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:

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:
