

MA2500V-1000

MARS 5 Series: Toggle Clamp Servo-Hydraulic

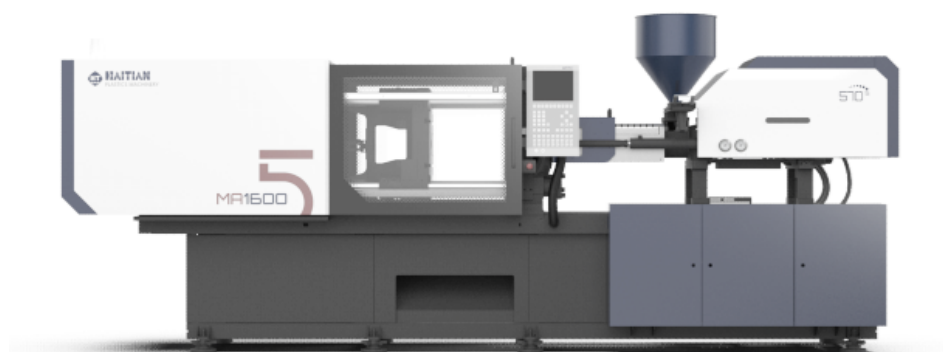


Clamping Unit		MA2500V/1000
Clamping Force	kN	2500
Mold Opening Stroke (Min/Max)	mm	540
Minimum Mold Height	mm	220
Maximum Mold Height	mm	580
Maximum Daylight	mm	1120
Distance Between Tie-Bars (HXV)	mm	580x580
Platen Dimensions (HXV)	mm	850x850
Ejector Stroke	mm	150
Ejector Force	kN	62

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Injection Unit		1000		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	50	55	60
Screw L/D Ratio	L/D	22	20	18.3
Injection Volume (theoretical)	cm ³	496	601	715
Injection Weight (PS)	g	452	546	650
Injection Rate (PS)	g/s	196	237	283
Injection Pressure	MPa	228	189	158
Plasticizing Rate (GPPS)	g/s	36.9	45.2	53.5
Screw Speed	rpm	270	270	270



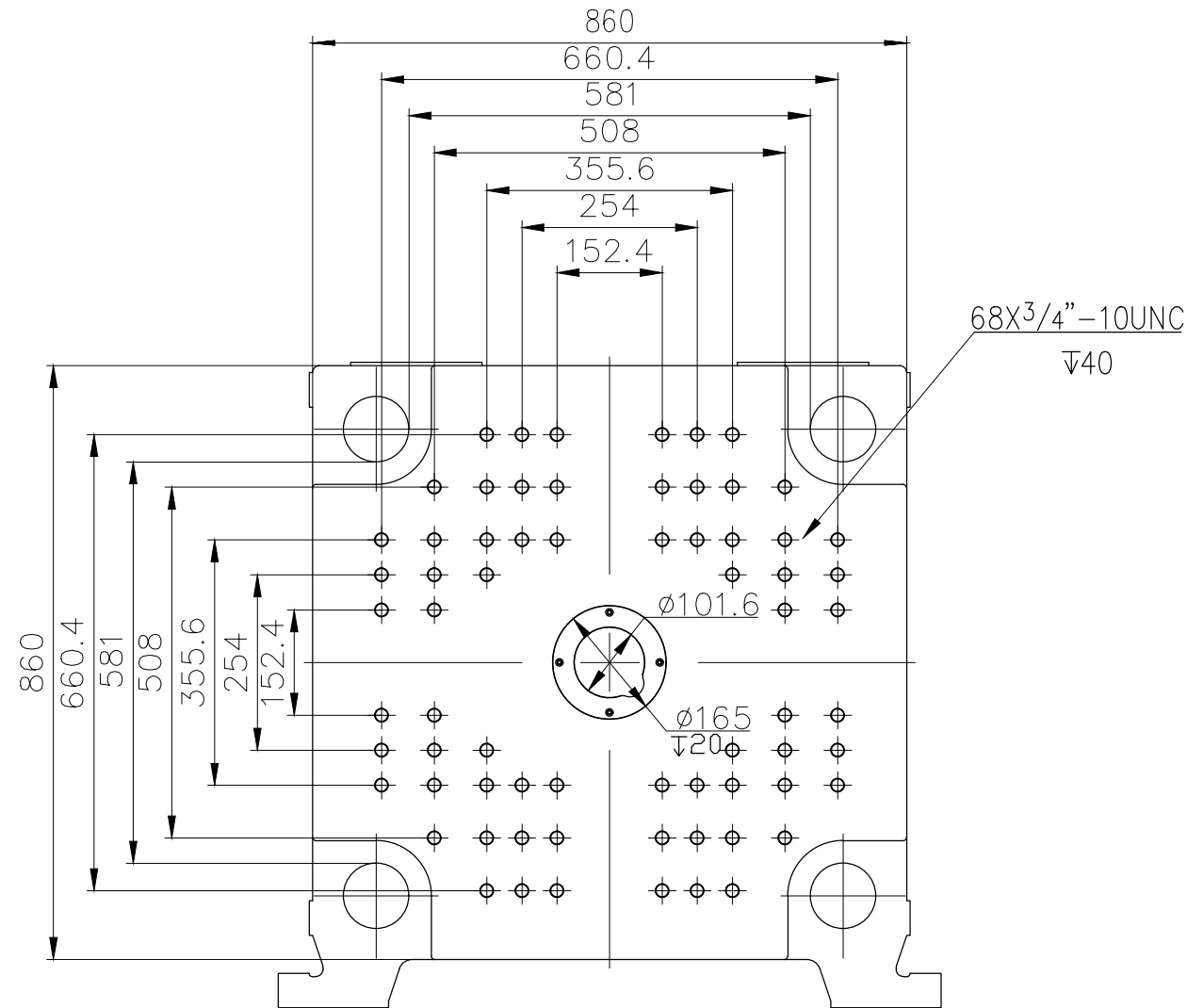
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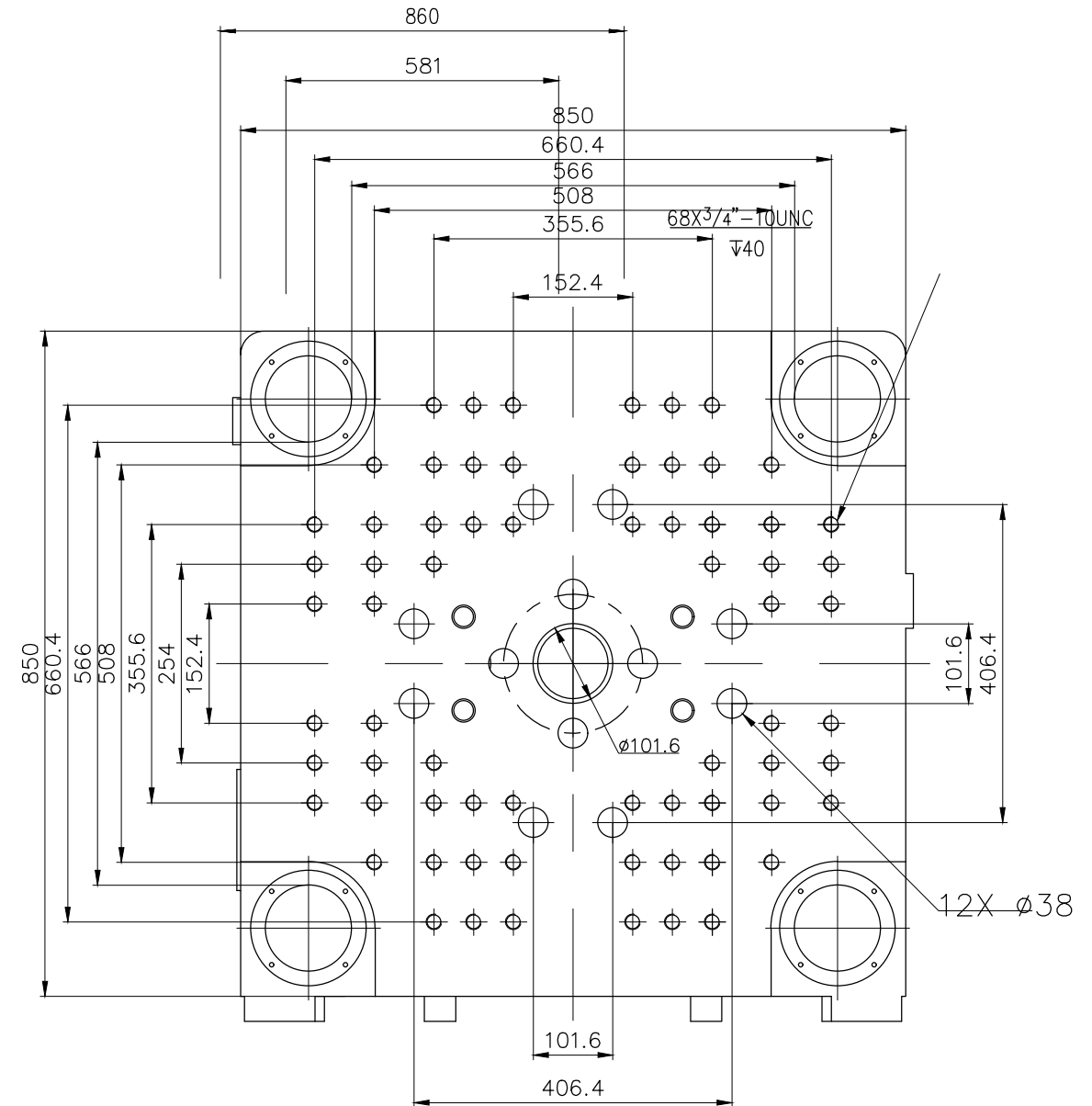
Other		
Pump Motor Power	kW	37
Heater Power	kW	20.3
Machine Dimension (LxWxH)	m	6.46x1.51x2.21
Machine Weight	t	8.1
Hopper Capacity	kg	50
Oil Tank	l	245

***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 2500 Fixed & Moving Platens Drawing

Machine Model: MAV 2500

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:

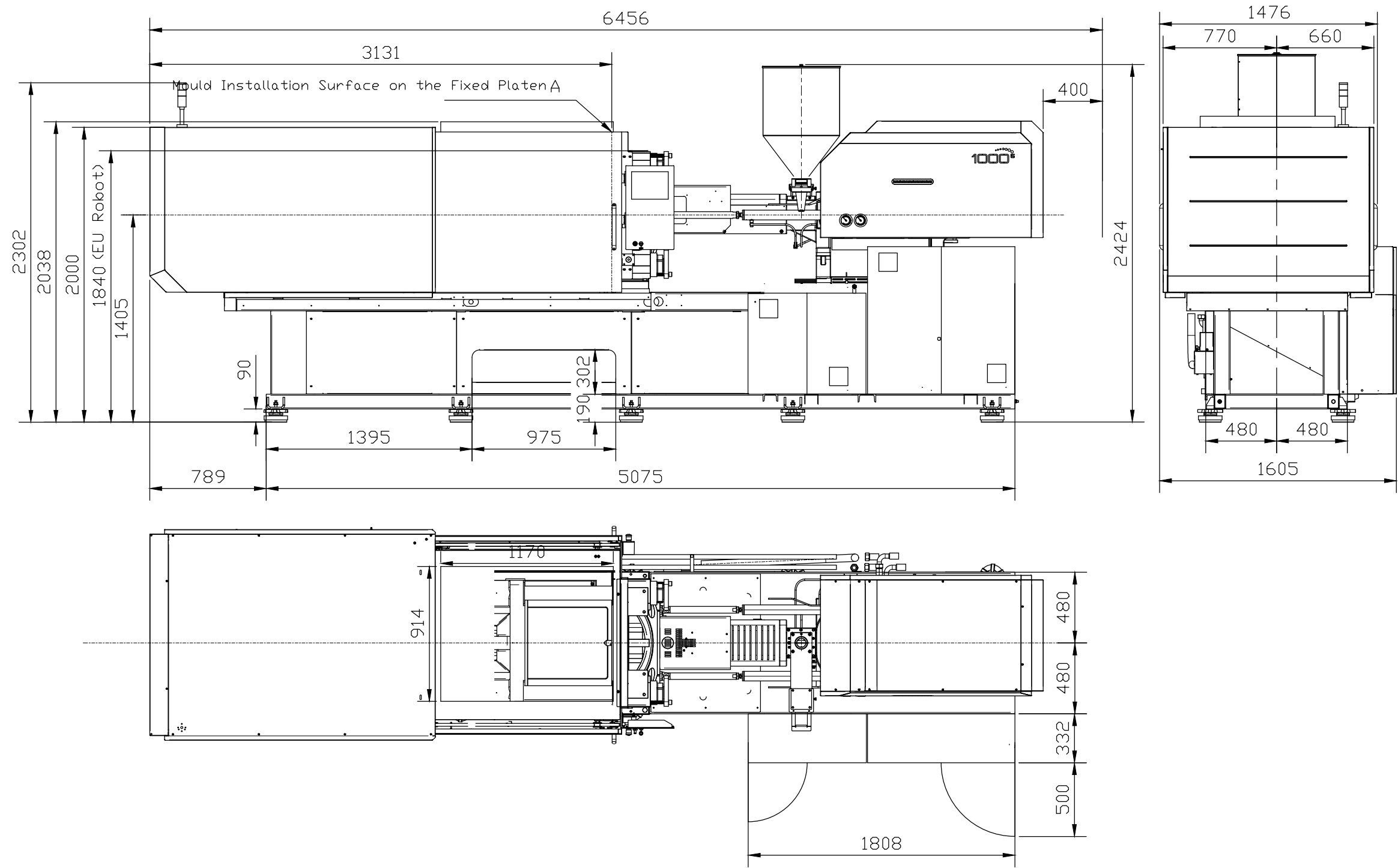
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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 2500 Layout Drawing

Machine Model: MA V 2500
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 3/21/2024

Chkd By: LEON XIE

Date: 3/21/2024

NOT TO SCALE

Size: 11 X 17 "B"

Revision

Date:

Drawing #: Layout

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

PLEASE READ:

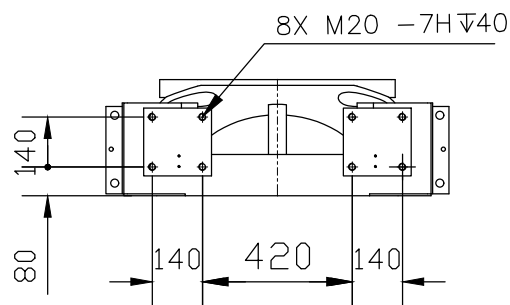
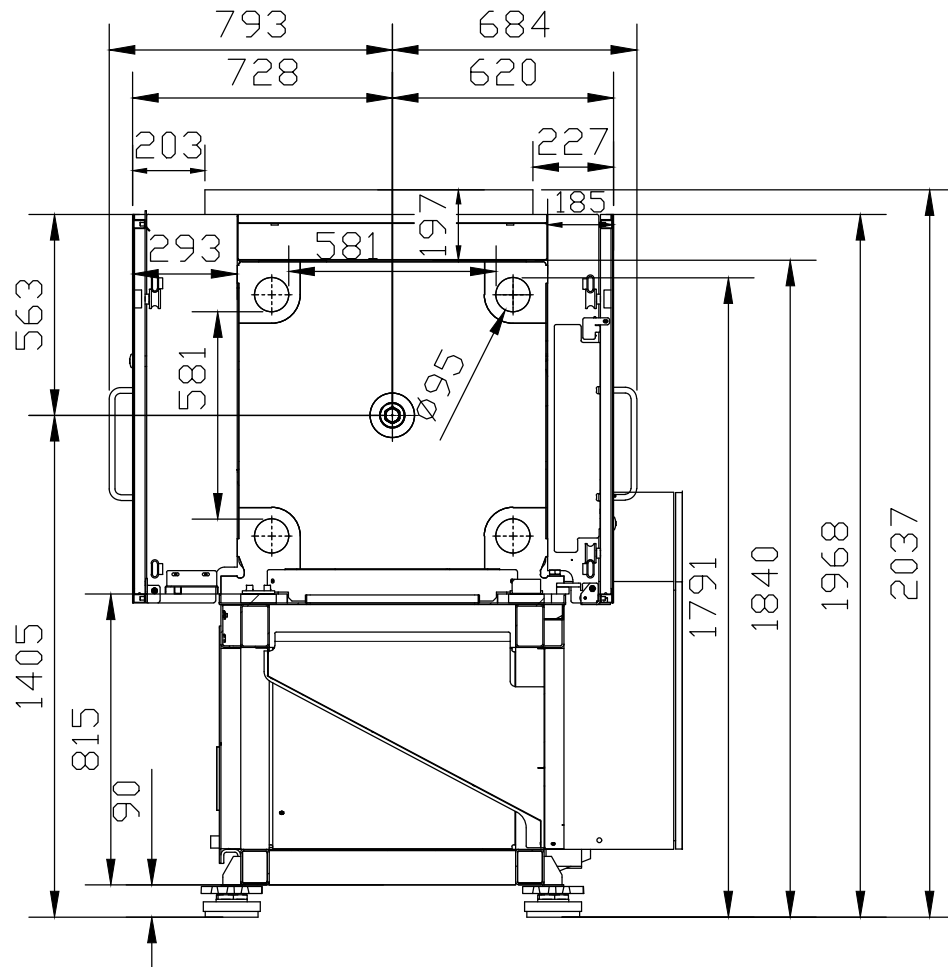
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Customer:

Customer Approval:

Authorized Signature

Notes:



Title: MA V 2500 Robot Mounting Drawing

Machine Model: MA V 2500
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 4/9/2024

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:

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Customer:

Customer Approval:

Authorized Signature

Notes: