

MA6000V-4500

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA6000V/4500
Clamping Force	kN	6000
	US Tons	674
Mold Opening Stroke (Min/Max)	mm	910
	in.	35.83
Minimum Mold Height	mm	380
	in.	14.96
Maximum Mold Height	mm	880
	in.	34.65
Maximum Daylight	mm	1790
	in.	70.47
Distance Between Tie-Bars (HXV)	mm	880x880
	in.	34.65x34.65
Platen Dimensions (HXV)	mm	1300x1320
	in.	51.18x51.97
Ejector Stroke	mm	240
	in.	9.45
Ejector Force	kN	158
	US Tons	18

Specification



MA6000V-4500

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Injection Unit		4500		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	80	85	90
	in.	3.15	3.35	3.54
Screw L/D Ratio	L/D	23.4	22	20.8
Injection Volume (theoretical)	cm ³	2211	2496	2799
	cu.in.	134.92	152.32	170.81
Injection Weight (PS)	g	2012	2272	2547
	oz.	70.97	80.14	89.84
Injection Rate (PS)	g/s	516	583	654
	oz./s	18.20	20.56	23.07
Injection Pressure	MPa	210	186	165
	psi	30458	26977	23931
Plasticizing Rate (GPPS)	g/s	80.2	88.7	101
	oz./s	2.83	3.13	3.56
Screw Speed	rpm	200	200	200



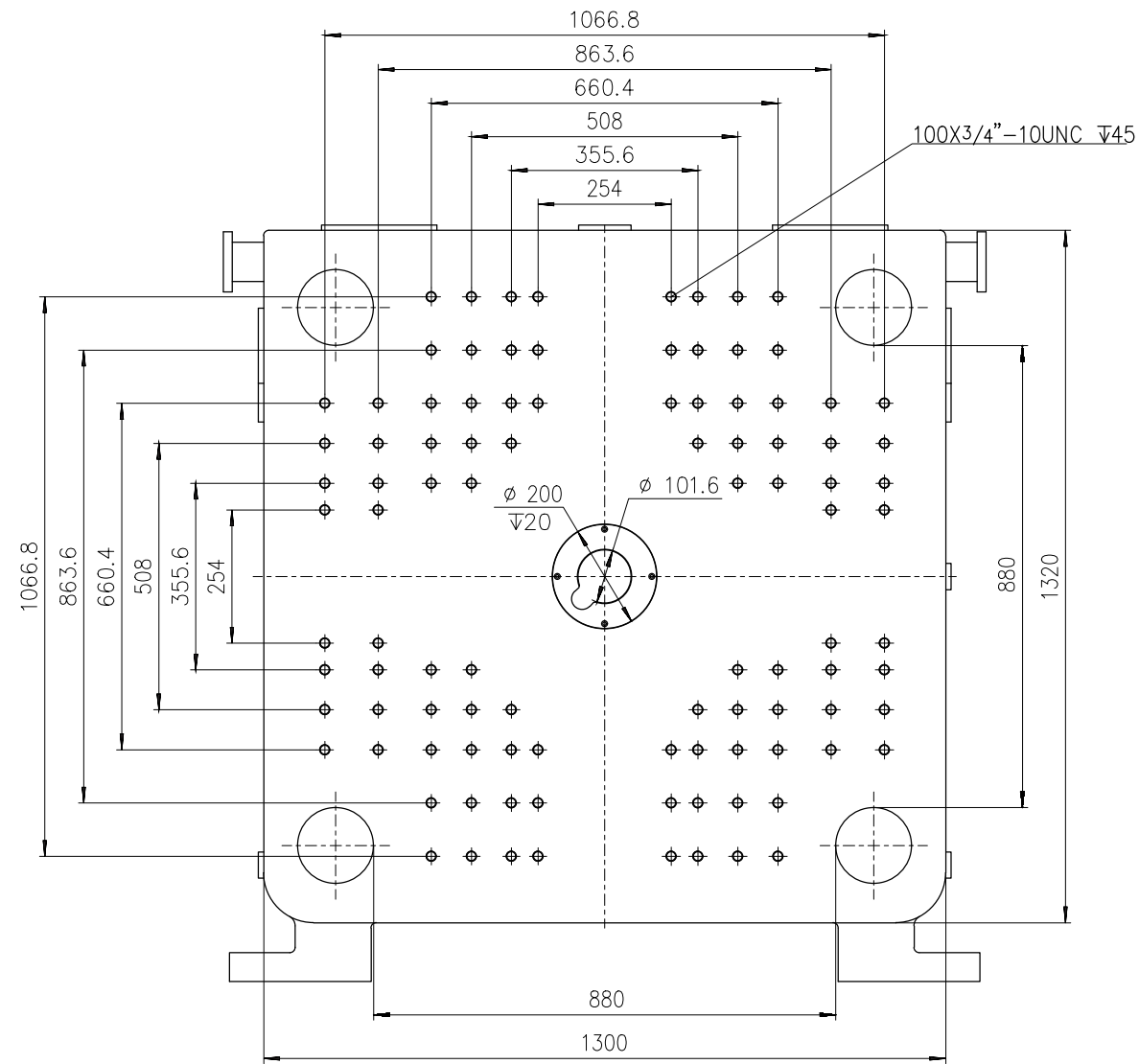
MA6000V-4500

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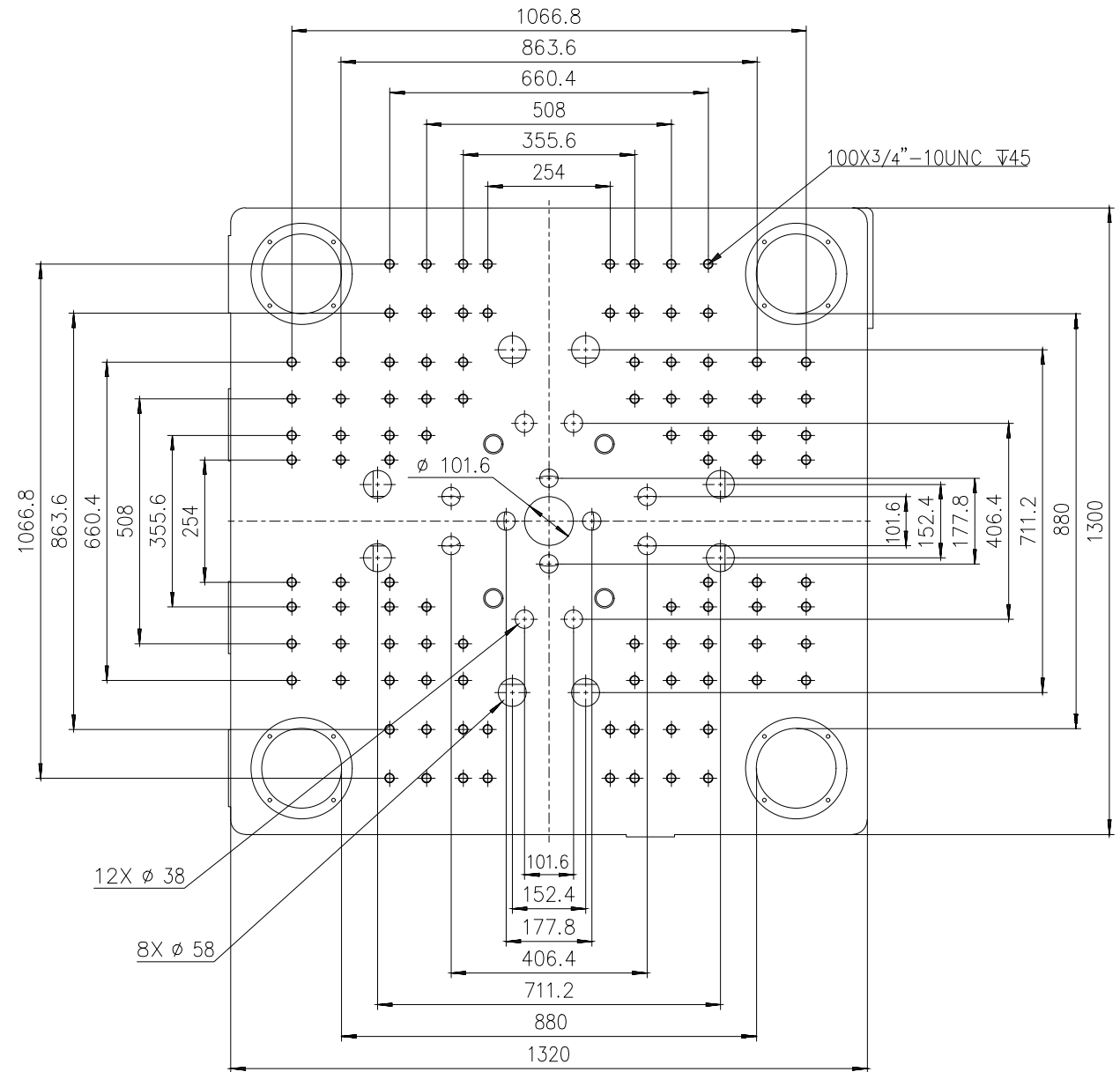
Other		
Pump Motor Power	kW	85
Heater Power	kW	48
Machine Dimension (LxWxH)	m	9.41x2.06x2.73
	in.	370x81x107
Machine Weight	t	25
	lbs.	55116
Hopper Capacity	kg	100
	lbs.	220
Oil Tank	l	720
	gal	190

***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 Absolute Haitian 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 Absolute Haitian service department for machine specific information.



Fixed Platen



Moving Platen



Absolute Haitian Corporation
33 Southgate St. Worcester, MA
T:+1 508-792-4305
www.absolutehaitian.com

Title: MAV 6000 Fixed & Moving Platens Drawing

Machine Model: MAV 6000
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:

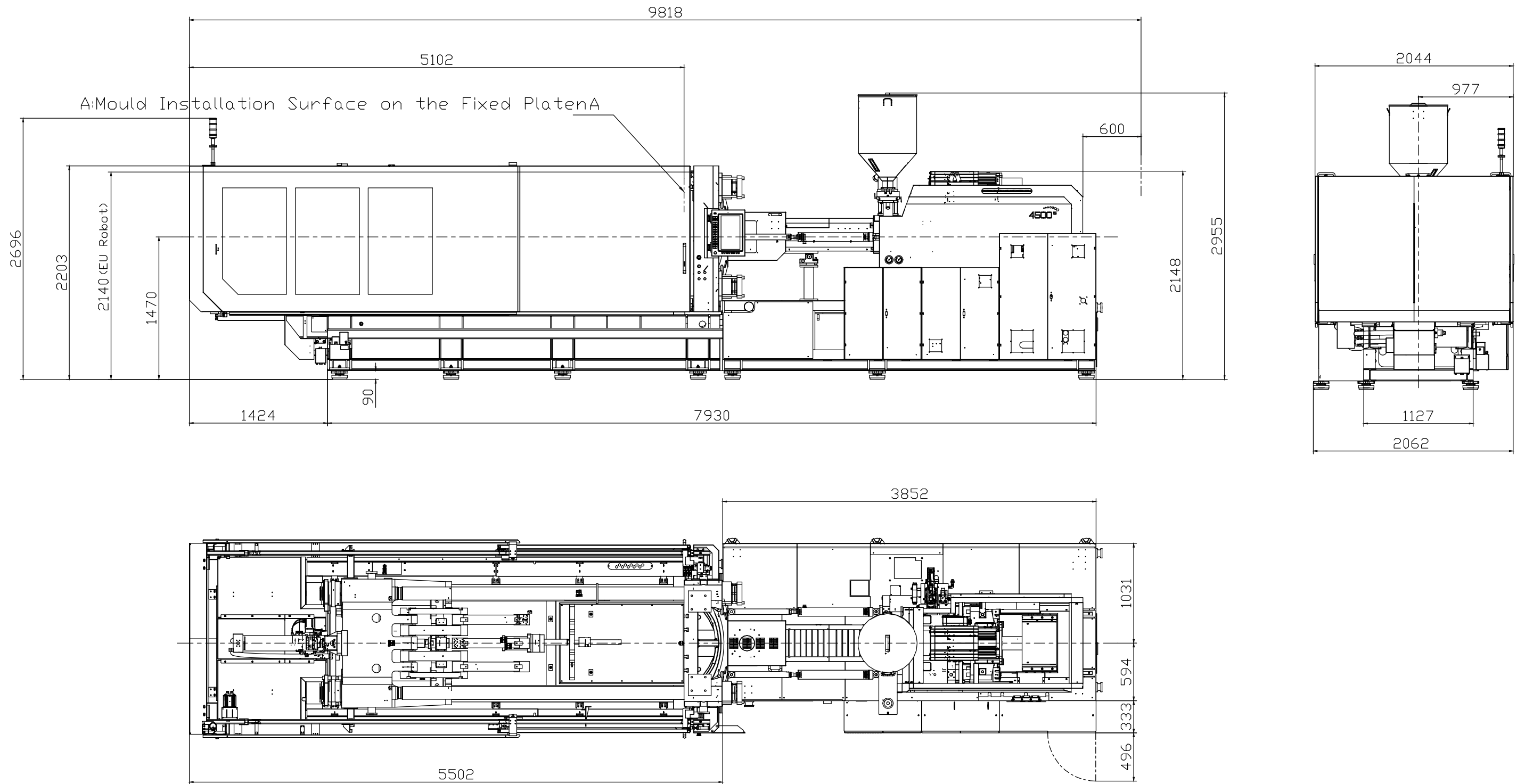
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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



Absolute Haitian Corporation
33 Southgate St. Worcester, MA
T: +1 508-792-4305
www.absolutehaitian.com

Title: MA V 6000 Layout Drawing

Machine Model: MA V 6000

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

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

PLEASE READ:

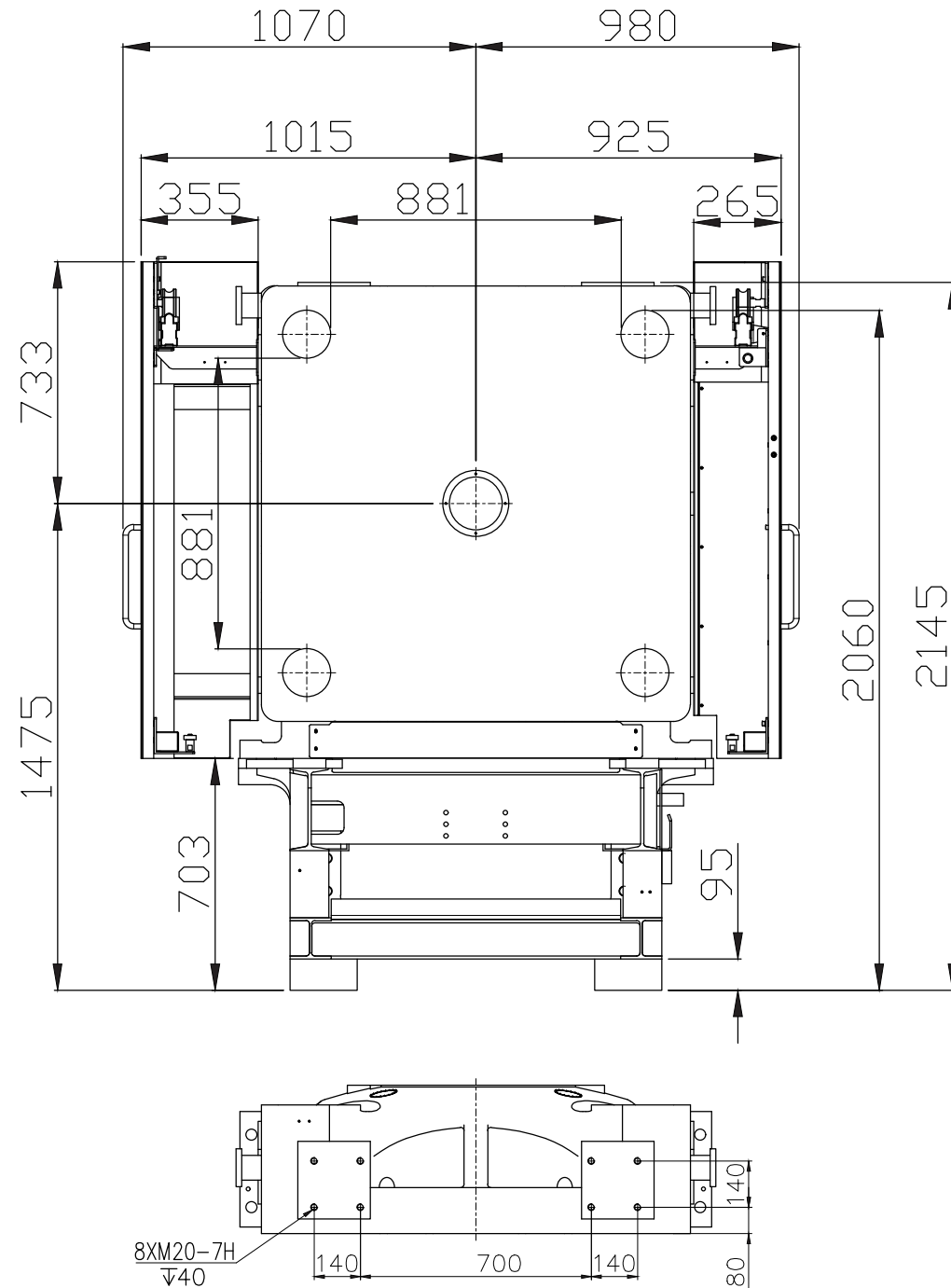
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Customer:

Customer Approval:

Authorized Signature

Notes:



Absolute Haitian Corporation
33 Southgate St. Worcester, MA
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www.absolutehaitian.com

Title: MA V 6000 Robot Mounting Drawing

Machine Model: MA V 6000
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

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

PLEASE READ:

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Notes: