

Specification



JU18500V-17500

JUPITER 5 Series: Two-Platen Servo-Hydraulic



Clamping Unit		JU18500V
Clamping Force	kN	18500
	US Tons	2079
Mold Opening Stroke (Min/Max)	mm	2600/1750
	in.	102.36/68.9
Minimum Mold Height	mm	750
	in.	29.53
Maximum Mold Height	mm	1600
	in.	62.99
Maximum Daylight	mm	3350
	in.	131.89
Distance Between Tie-Bars (HXV)	mm	1900×1450
	in.	74.8×57.09
Platen Dimensions (HXV)	mm	2620×2175
	in.	103.15×85.63
Ejector Stroke	mm	450
	in.	17.72
Ejector Force	kN	450
	US Tons	51
Maximum Mold Weight*	t	40
	lbs.	88185

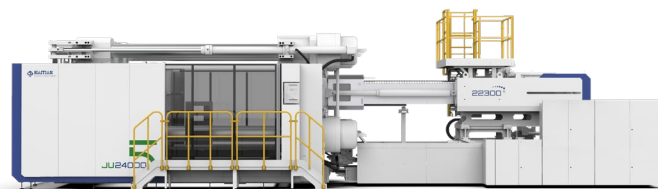
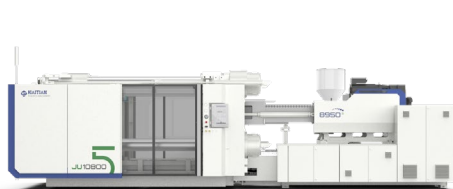
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Injection Unit		17500		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	130	140	150
	in.	5.12	5.51	5.91
Screw L/D Ratio	L/D	24	22.3	20.8
Injection Volume (theoretical)	cm ³	8362	9698	11133
	cu.in.	510.28	591.81	679.38
Injection Weight (PS)	g	7609	8825	10131
	oz.	268.40	311.29	357.36
Injection Rate (PS)	g/s	1281	1486	1705
	oz./s	45.19	52.42	60.14
Injection Pressure	MPa	185	160	139
	psi	26832	23206	20160
Injection Pressure (max)*	MPa	210	181	158
	psi	30458	26252	22916
Plasticizing Rate (GPPS)	g/s	168	192	220
	oz./s	5.93	6.77	7.76
Plasticizing Rate (HDPE)	g/s	252	283	336
	oz./s	8.89	9.98	11.85
Screw Speed	rpm	102	102	102



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Specifications subject to change without notice



Rev 2 7/9/2024

Specification



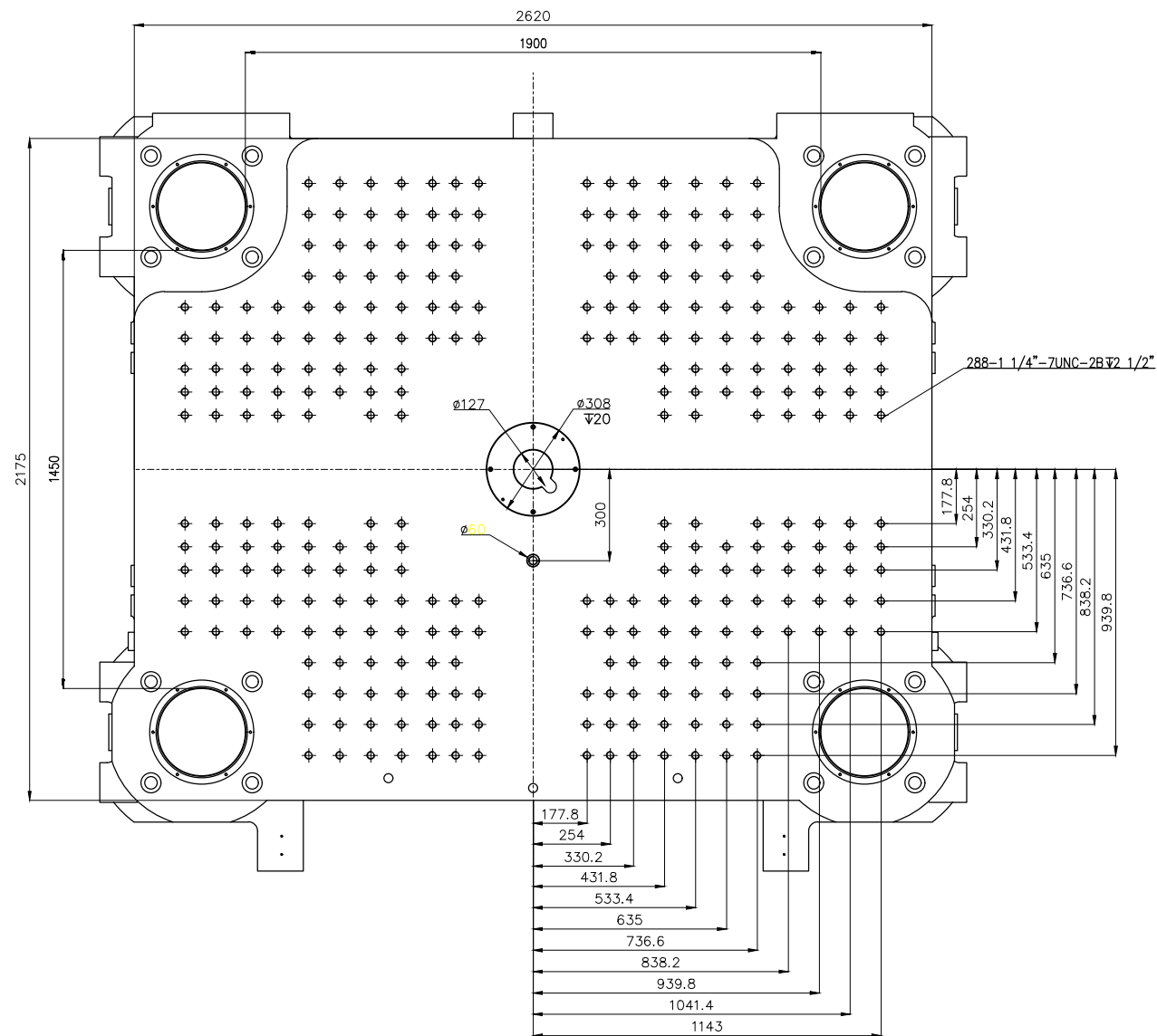
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JUPITER 5 Series: Two-Platen Servo-Hydraulic

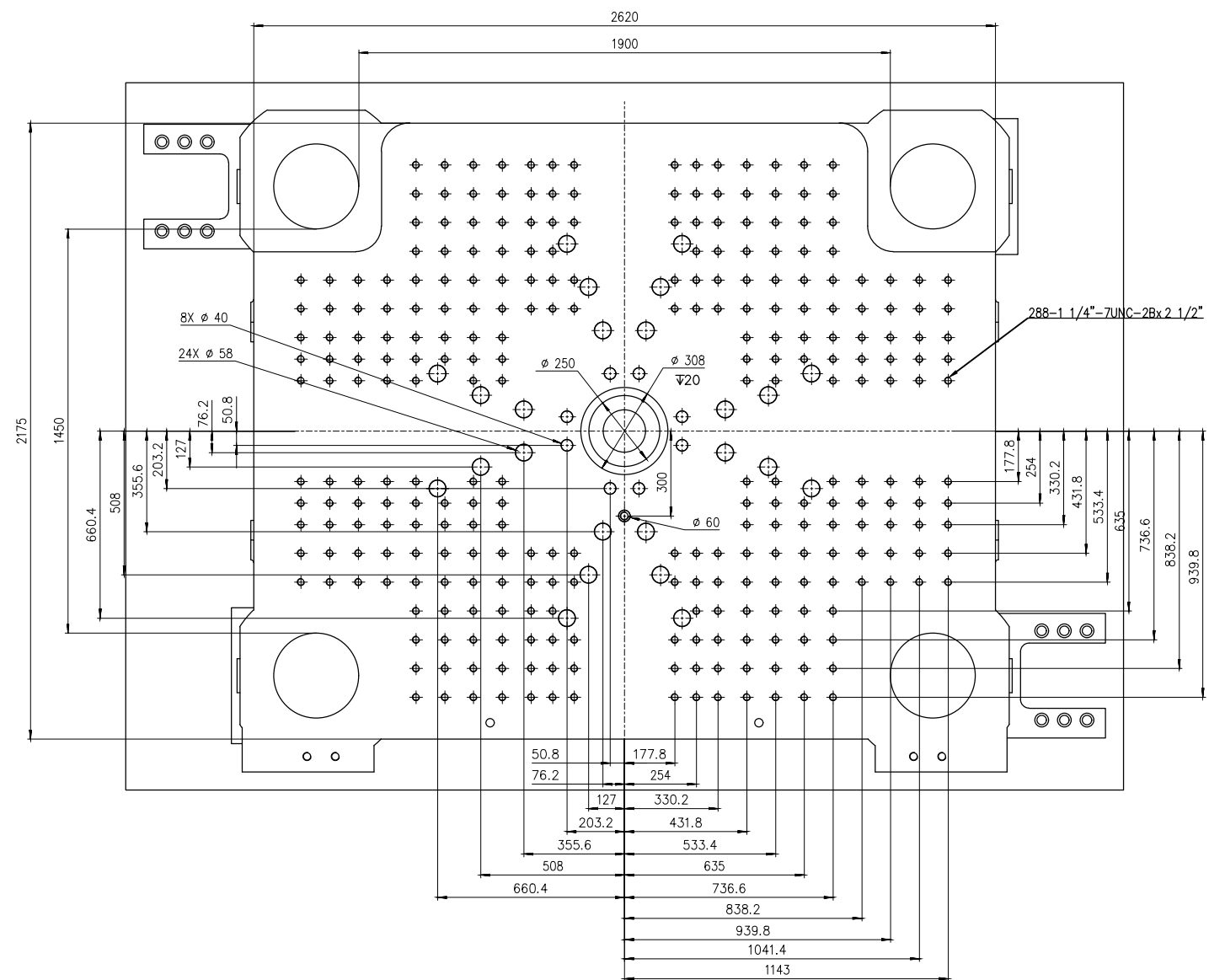
Other		
Pump Motor Power	kW	195
Heater Power	kW	123
Machine Dimension (LxWxH)	m	12.70×4.74×4.74
	in.	500×187×187
Machine Weight	t	87
	lbs.	191802
Hopper Capacity	kg	400
	lbs.	882
Oil Tank	l	1670
	gal	441

***NOTE:**

1. Injection Pressure (max) uses the machine's regeneration oil circuit to increase the injection pressure. This function will reduce injection control and repeatability. The standard "Injection Pressure" specification is the maximum injection pressure in a normal operating mode.
2. Moving platen max mold weight is 2/3 of total max mold weight.
3. Electric screw drive (screw rotate) is standard for injection units under 11500. For injection units 11500 and above electric screw drive is optional.
4. 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.
5. 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
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www.absolutehaitian.com

Title: JUV 18500 Fixed & Moving Platens Drawing

Machine Model: JUV 18500
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:

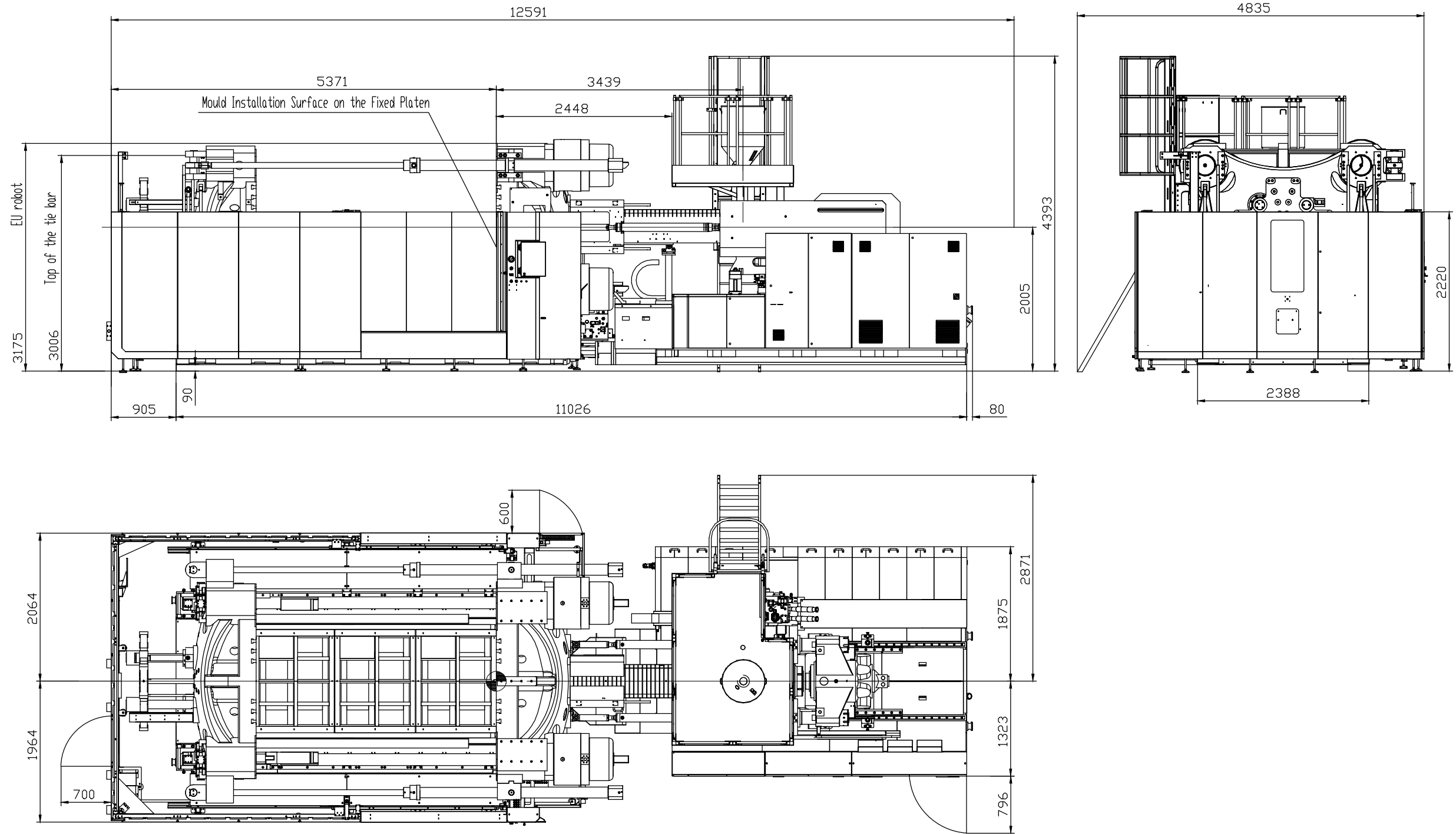
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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

Title: JU V 18500-17500 Layout Drawing

Machine Model: JU V 18500-17500

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"

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

Part:

PLEASE READ:

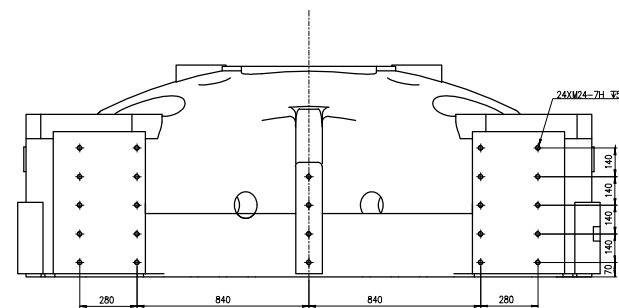
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Customer:

Customer Approval:

Authorized Signature

Notes:



Title: JU V 18500-17500 Robot Mounting Drawing						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.	
Machine Model: JU V 18500-17500				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			
Rev #: 1						Units: mm / [in]	
Rev #: 2						Material:	
Rev #: 3						Part:	
Rev #: 4						Part:	
Rev #: 5						Part:	
						Customer:	Customer Approval: Authorized Signature

	Notes:
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