

Specification



MA4700V-3200

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA4700V/3200
Clamping Force	kN	4700
	US Tons	528
Mold Opening Stroke (Min/Max)	mm	780
	in.	30.71
Minimum Mold Height	mm	320
	in.	12.6
Maximum Mold Height	mm	780
	in.	30.71
Maximum Daylight	mm	1560
	in.	61.42
Distance Between Tie-Bars (HXV)	mm	820x800
	in.	32.28x31.5
Platen Dimensions (HXV)	mm	1210x1180
	in.	47.64x46.46
Ejector Stroke	mm	200
	in.	7.87
Ejector Force	kN	110
	US Tons	12

Specification



MA4700V-3200

MARS 5 Series: Toggle Clamp Servo-Hydraulic

Injection Unit		3200		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	70	80	85
	in.	2.76	3.15	3.35
Screw L/D Ratio	L/D	22.9	20	19.1
Injection Volume (theoretical)	cm ³	1423	1859	2099
	cu.in.	86.84	113.44	128.09
Injection Weight (PS)	g	1295	1692	1910
	oz.	45.68	59.68	67.37
Injection Rate (PS)	g/s	366	478	539
	oz./s	12.91	16.86	19.01
Injection Pressure	MPa	240	183	162
	psi	34809	26542	23496
Plasticizing Rate (GPPS)	g/s	69.8	92	101
	oz./s	2.46	3.25	3.56
Screw Speed	rpm	220	220	220



Absolute Haitian Corporation • 33 Southgate St. Worcester, MA 01610
508-459-5372 • absolutehaitian.com

Specifications subject to change without notice



Rev 2 7/15/2024

Specification



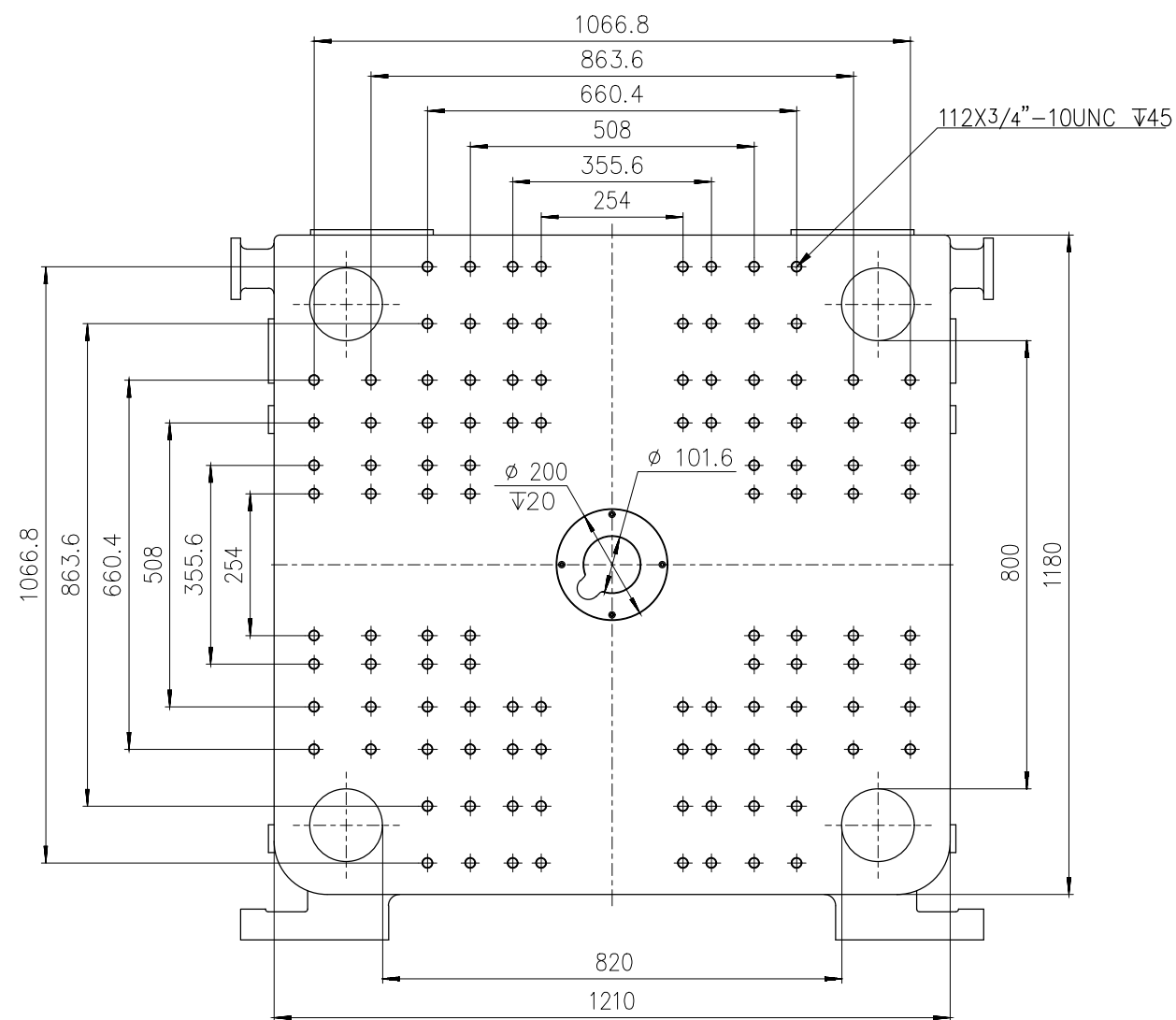
MA4700V-3200

MARS 5 Series: Toggle Clamp Servo-Hydraulic

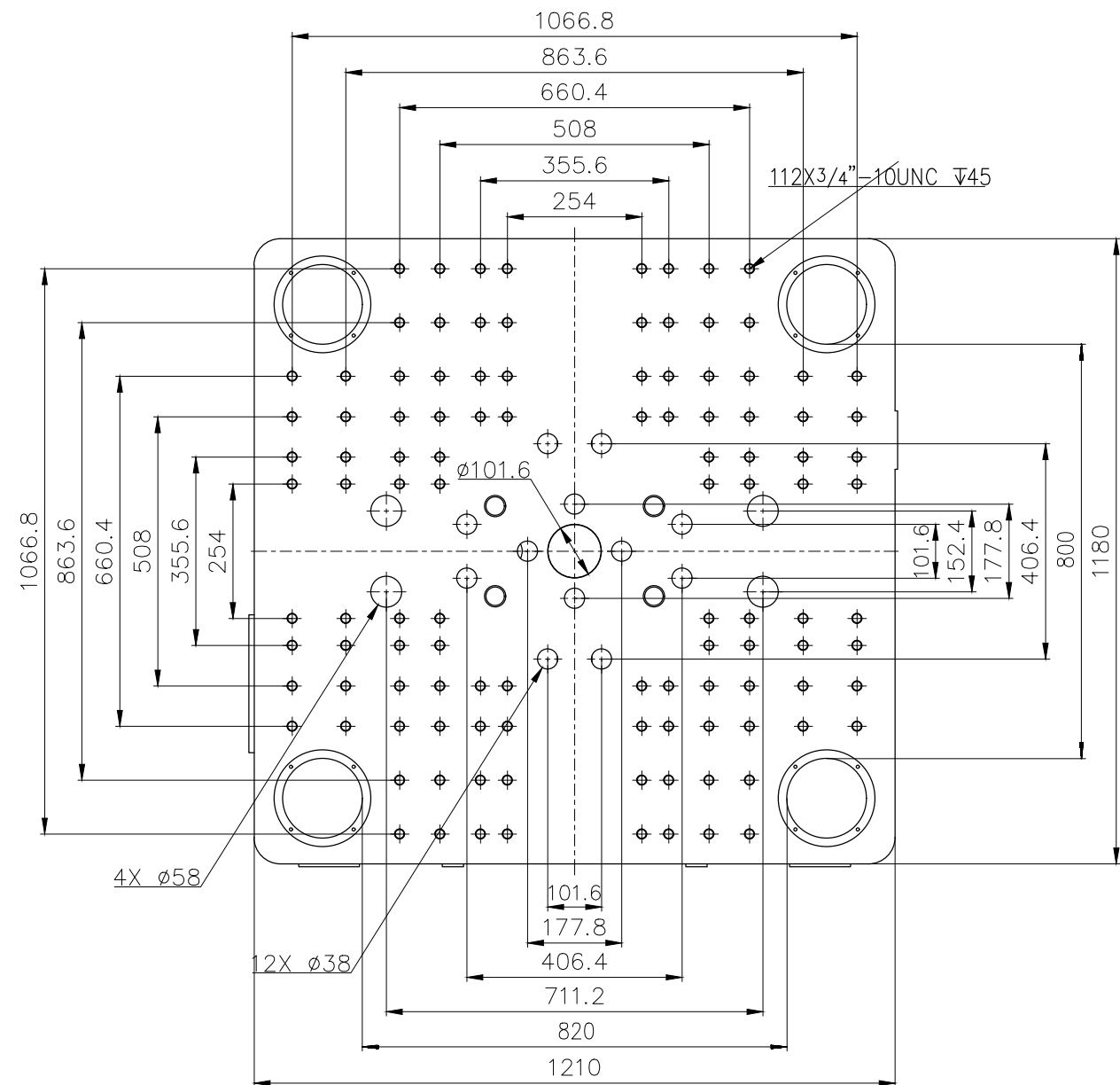
Other		
Pump Motor Power	kW	65
Heater Power	kW	39.6
Machine Dimension (LxWxH)	m	8.29x1.96x2.55
	in.	326x77x100
Machine Weight	t	19.3
	lbs.	42549
Hopper Capacity	kg	50
	lbs.	110
Oil Tank	l	580
	gal	153

***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 4700 Fixed & Moving Platens Drawing

Machine Model: MAV 4700
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:

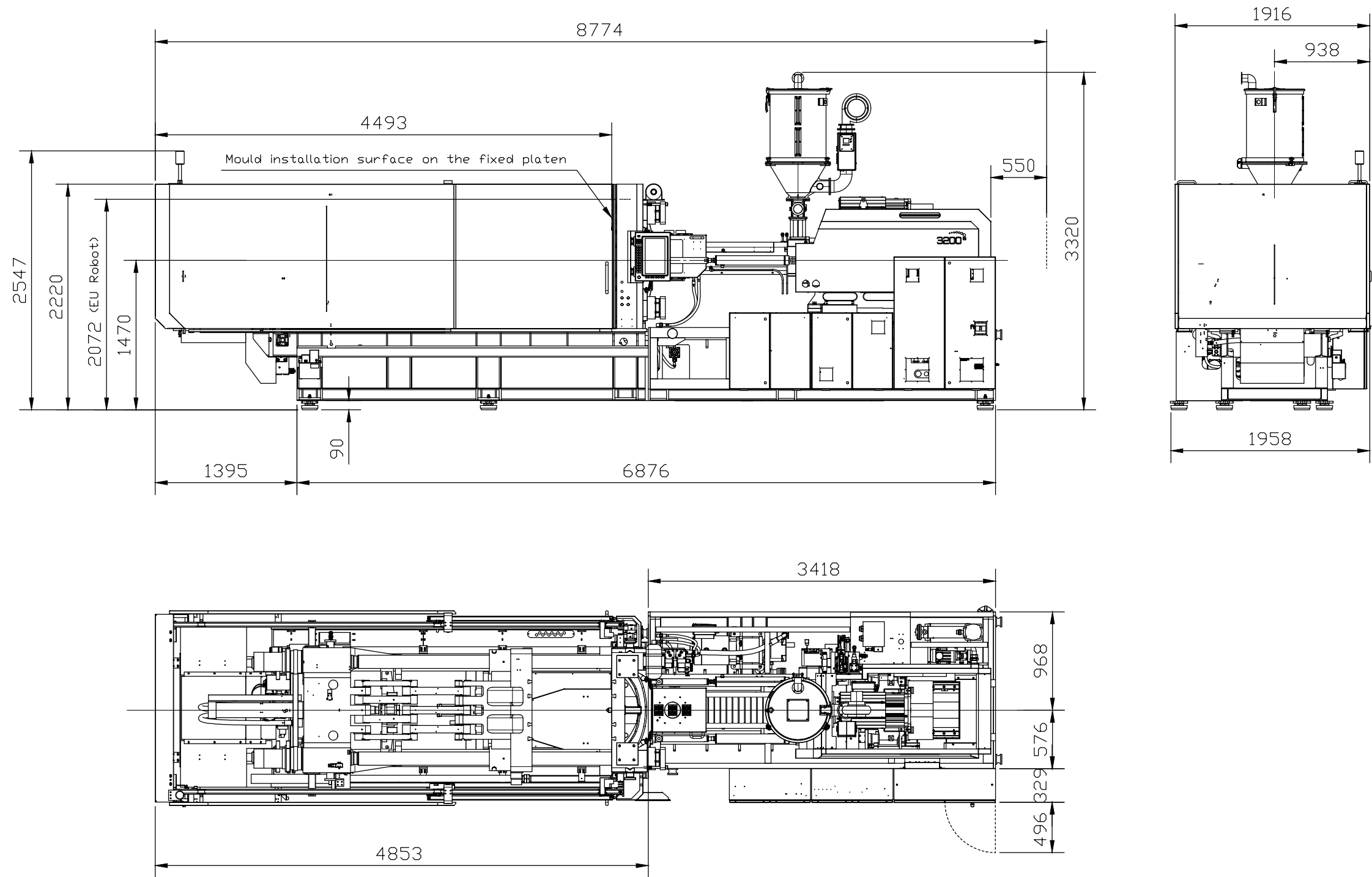
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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 4700 Layout Drawing

Machine Model: MA V 4700
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:
Part:

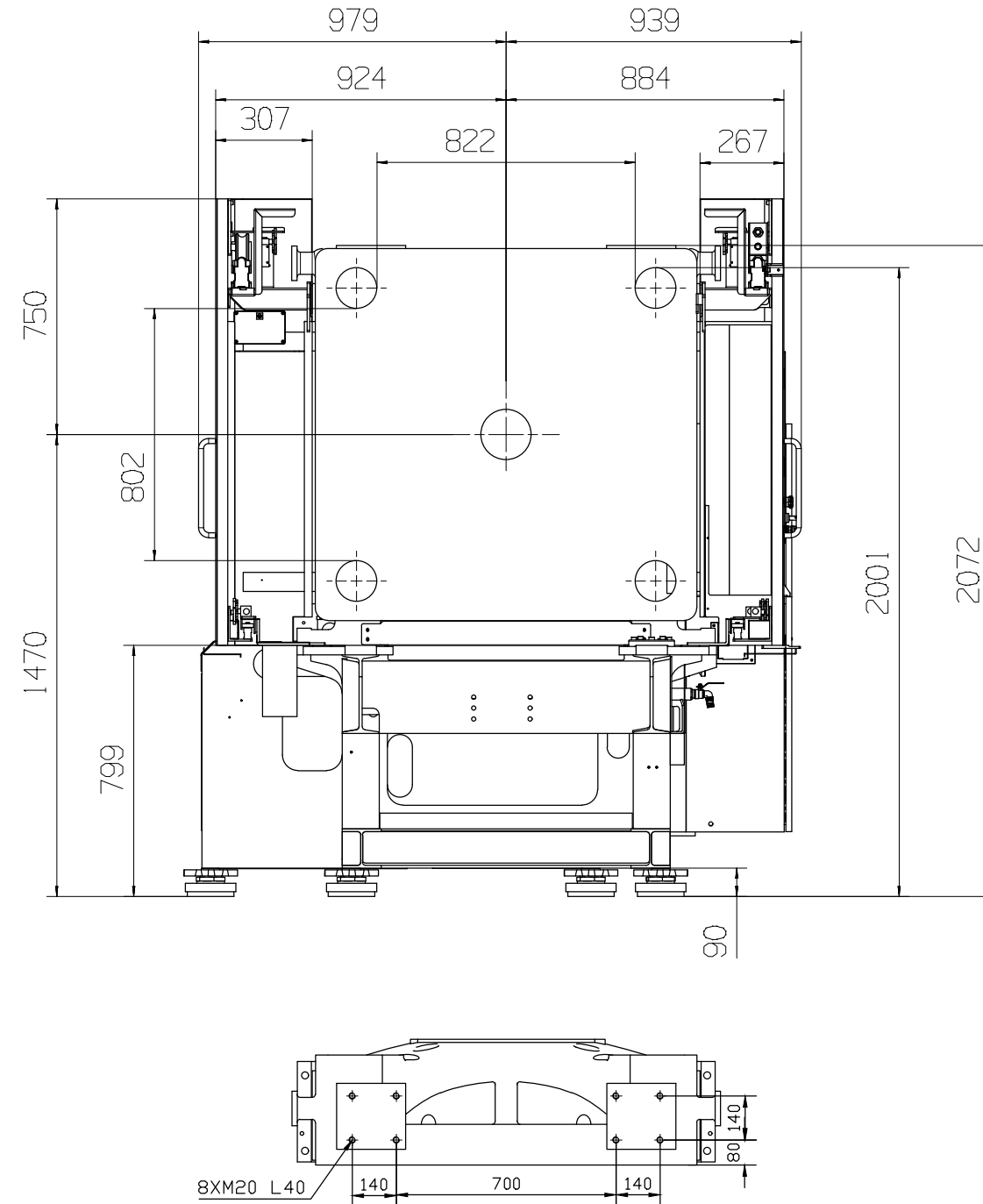
PLEASE READ:

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 4700 Robot Mounting Drawing

Machine Model: MA V 4700
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:

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: