

MACHINERY & EQUIPMENT SPECS 2018

<p style="text-align: center;">140 TON 5 OZ.</p> <p style="text-align: center;">KRAUSS MAFFEI</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 40%;">Platen Size</td><td style="border-bottom: 1px solid black;">29.33" x 30.31"</td></tr> <tr><td>Distance Between Tie Bar</td><td style="border-bottom: 1px solid black;">18.5" 18.5"</td></tr> <tr><td>Min/Maximum Mold Height</td><td style="border-bottom: 1px solid black;">11.8"</td></tr> <tr><td>Maximum Daylight</td><td style="border-bottom: 1px solid black;">35.43"</td></tr> <tr><td>Ejector Stroke</td><td style="border-bottom: 1px solid black;">6"</td></tr> <tr><td>Mold Locating Ring</td><td style="border-bottom: 1px solid black;">4"</td></tr> <tr><td>Knockout Holes Horizontal & Vertical</td><td style="border-bottom: 1px solid black;">4" x16" Holes</td></tr> </table>	Platen Size	29.33" x 30.31"	Distance Between Tie Bar	18.5" 18.5"	Min/Maximum Mold Height	11.8"	Maximum Daylight	35.43"	Ejector Stroke	6"	Mold Locating Ring	4"	Knockout Holes Horizontal & Vertical	4" x16" Holes	<p style="text-align: center;">340 TON 21.76 OZ.</p> <p style="text-align: center;">KRAUSS MAFFEI</p> <p style="text-align: center;">Coming Fall 2018</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 40%;">Platen Size</td><td style="border-bottom: 1px solid black;">42.36" x 48.37"</td></tr> <tr><td>Distance Between Tie Bar</td><td style="border-bottom: 1px solid black;">27.97" x 24.82"</td></tr> <tr><td>Min/Maximum Mold Height</td><td style="border-bottom: 1px solid black;">13"</td></tr> <tr><td>Maximum Daylight</td><td style="border-bottom: 1px solid black;">45.31"</td></tr> <tr><td>Ejector Stroke</td><td style="border-bottom: 1px solid black;">7.88"</td></tr> <tr><td>Mold Locating Ring</td><td style="border-bottom: 1px solid black;">TBD</td></tr> <tr><td>Knockout Holes Horizontal & Vertical</td><td style="border-bottom: 1px solid black;">Center 3.5", Off-Center 4" x 16", 6" x 28"</td></tr> <tr><td>Maximum PSI</td><td style="border-bottom: 1px solid black;">29,102</td></tr> <tr><td>Intensification Ratio</td><td style="border-bottom: 1px solid black;">21.76</td></tr> </table>	Platen Size	42.36" x 48.37"	Distance Between Tie Bar	27.97" x 24.82"	Min/Maximum Mold Height	13"	Maximum Daylight	45.31"	Ejector Stroke	7.88"	Mold Locating Ring	TBD	Knockout Holes Horizontal & Vertical	Center 3.5", Off-Center 4" x 16", 6" x 28"	Maximum PSI	29,102	Intensification Ratio	21.76						
Platen Size	29.33" x 30.31"																																						
Distance Between Tie Bar	18.5" 18.5"																																						
Min/Maximum Mold Height	11.8"																																						
Maximum Daylight	35.43"																																						
Ejector Stroke	6"																																						
Mold Locating Ring	4"																																						
Knockout Holes Horizontal & Vertical	4" x16" Holes																																						
Platen Size	42.36" x 48.37"																																						
Distance Between Tie Bar	27.97" x 24.82"																																						
Min/Maximum Mold Height	13"																																						
Maximum Daylight	45.31"																																						
Ejector Stroke	7.88"																																						
Mold Locating Ring	TBD																																						
Knockout Holes Horizontal & Vertical	Center 3.5", Off-Center 4" x 16", 6" x 28"																																						
Maximum PSI	29,102																																						
Intensification Ratio	21.76																																						
<p style="text-align: center;">450 TON 5.5 OZ./8.3 OZ.</p> <p style="text-align: center;">ENGEL</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 40%;">Platen Size</td><td style="border-bottom: 1px solid black;">47.3" x 47.3"</td></tr> <tr><td>Distance Between Tie Bar</td><td style="border-bottom: 1px solid black;">33.07" x 33.07"</td></tr> <tr><td>Min/Maximum Mold Height</td><td style="border-bottom: 1px solid black;">11.81"/33.94"</td></tr> <tr><td>Maximum Daylight</td><td style="border-bottom: 1px solid black;">61.5"</td></tr> <tr><td>Mold Locator Ring</td><td style="border-bottom: 1px solid black;">4"</td></tr> <tr><td>Maximum PSI</td><td style="border-bottom: 1px solid black;">30,000 psi (5.5oz) 21,765 psi (8.3oz)</td></tr> <tr><td>Intensification Ratio</td><td style="border-bottom: 1px solid black;">13.6:1 (5.5oz)/10.5:1 (8.3oz)</td></tr> <tr><td>Knockout Holes Horizontal & Vertical</td><td style="border-bottom: 1px solid black;">3 1/2" Center 4"x16", 6"x 28</td></tr> <tr><td>Intensification Ratio</td><td style="border-bottom: 1px solid black;">13.6:1/10.5:1</td></tr> </table>	Platen Size	47.3" x 47.3"	Distance Between Tie Bar	33.07" x 33.07"	Min/Maximum Mold Height	11.81"/33.94"	Maximum Daylight	61.5"	Mold Locator Ring	4"	Maximum PSI	30,000 psi (5.5oz) 21,765 psi (8.3oz)	Intensification Ratio	13.6:1 (5.5oz)/10.5:1 (8.3oz)	Knockout Holes Horizontal & Vertical	3 1/2" Center 4"x16", 6"x 28	Intensification Ratio	13.6:1/10.5:1	<p style="text-align: center;">505 TON 41.3 OZ.</p> <p style="text-align: center;">CINCINNATI MILACRON</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 40%;">Platen Size</td><td style="border-bottom: 1px solid black;">48.8" 47.25"</td></tr> <tr><td>Distance Between Tie Bar</td><td style="border-bottom: 1px solid black;">34.25" X 32.7"</td></tr> <tr><td>Min/Maximum Mold Height</td><td style="border-bottom: 1px solid black;">13.7"/32.3"</td></tr> <tr><td>Maximum Daylight</td><td style="border-bottom: 1px solid black;">64.5"</td></tr> <tr><td>Ejector Stroke</td><td style="border-bottom: 1px solid black;">7.87"</td></tr> <tr><td>Mold Locating Ring</td><td style="border-bottom: 1px solid black;">5"</td></tr> <tr><td>Knockout Holes Horizontal & Vertical</td><td style="border-bottom: 1px solid black;">3 1/2 x 16", 6" x 28", 4" x 16"</td></tr> <tr><td>Maximum PSI</td><td style="border-bottom: 1px solid black;">26,912</td></tr> </table>	Platen Size	48.8" 47.25"	Distance Between Tie Bar	34.25" X 32.7"	Min/Maximum Mold Height	13.7"/32.3"	Maximum Daylight	64.5"	Ejector Stroke	7.87"	Mold Locating Ring	5"	Knockout Holes Horizontal & Vertical	3 1/2 x 16", 6" x 28", 4" x 16"	Maximum PSI	26,912				
Platen Size	47.3" x 47.3"																																						
Distance Between Tie Bar	33.07" x 33.07"																																						
Min/Maximum Mold Height	11.81"/33.94"																																						
Maximum Daylight	61.5"																																						
Mold Locator Ring	4"																																						
Maximum PSI	30,000 psi (5.5oz) 21,765 psi (8.3oz)																																						
Intensification Ratio	13.6:1 (5.5oz)/10.5:1 (8.3oz)																																						
Knockout Holes Horizontal & Vertical	3 1/2" Center 4"x16", 6"x 28																																						
Intensification Ratio	13.6:1/10.5:1																																						
Platen Size	48.8" 47.25"																																						
Distance Between Tie Bar	34.25" X 32.7"																																						
Min/Maximum Mold Height	13.7"/32.3"																																						
Maximum Daylight	64.5"																																						
Ejector Stroke	7.87"																																						
Mold Locating Ring	5"																																						
Knockout Holes Horizontal & Vertical	3 1/2 x 16", 6" x 28", 4" x 16"																																						
Maximum PSI	26,912																																						
<p style="text-align: center;">550 TON 18 OZ./26 OZ.</p> <p style="text-align: center;">CINCINNATI MILACRON</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 40%;">Platen Size</td><td style="border-bottom: 1px solid black;">49" X 49"</td></tr> <tr><td>Distance Between Tie Bar</td><td style="border-bottom: 1px solid black;">36" X 36"</td></tr> <tr><td>Maximum Injection Pressure</td><td style="border-bottom: 1px solid black;">32,400 psi</td></tr> <tr><td>Min/Maximum Mold Height</td><td style="border-bottom: 1px solid black;">9.8"/39.4"</td></tr> <tr><td>Maximum Daylight</td><td style="border-bottom: 1px solid black;">67.9"</td></tr> <tr><td>Ejector Stroke</td><td style="border-bottom: 1px solid black;">9.8"</td></tr> <tr><td>Mold Locating Ring</td><td style="border-bottom: 1px solid black;">4.000"</td></tr> <tr><td>Nozzle Extension Past Cavity</td><td style="border-bottom: 1px solid black;">4.000"</td></tr> <tr><td>Knockout Holes Horizontal & Vertical</td><td style="border-bottom: 1px solid black;">3 1/2, Center 4"x 16", 6"x28"</td></tr> <tr><td>Intensification Ratio</td><td style="border-bottom: 1px solid black;">15.96:1</td></tr> </table>	Platen Size	49" X 49"	Distance Between Tie Bar	36" X 36"	Maximum Injection Pressure	32,400 psi	Min/Maximum Mold Height	9.8"/39.4"	Maximum Daylight	67.9"	Ejector Stroke	9.8"	Mold Locating Ring	4.000"	Nozzle Extension Past Cavity	4.000"	Knockout Holes Horizontal & Vertical	3 1/2, Center 4"x 16", 6"x28"	Intensification Ratio	15.96:1	<p style="text-align: center;">620 TON 58.1 OZ.</p> <p style="text-align: center;">KRAUSS MAFFEI</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 40%;">Platen Size</td><td style="border-bottom: 1px solid black;">60.63" x 56.74"</td></tr> <tr><td>Distance Between Tie Bar</td><td style="border-bottom: 1px solid black;">44.49" x 38.61"</td></tr> <tr><td>Min/Maximum Mold Height</td><td style="border-bottom: 1px solid black;">15.75" /37.40"</td></tr> <tr><td>Maximum Daylight</td><td style="border-bottom: 1px solid black;">68.90"</td></tr> <tr><td>Ejector Stroke</td><td style="border-bottom: 1px solid black;">9.84"</td></tr> <tr><td>Mold Locating Ring</td><td style="border-bottom: 1px solid black;">5"</td></tr> <tr><td>Knockout Holes Horizontal & Vertical</td><td style="border-bottom: 1px solid black;">3 1/2" Off Center - 4 1/16" 6" x 28" Center</td></tr> <tr><td>Maximum Injection Pressure</td><td style="border-bottom: 1px solid black;">31,973 psi</td></tr> <tr><td>Intensification Ratio</td><td style="border-bottom: 1px solid black;">12.25:1</td></tr> </table>	Platen Size	60.63" x 56.74"	Distance Between Tie Bar	44.49" x 38.61"	Min/Maximum Mold Height	15.75" /37.40"	Maximum Daylight	68.90"	Ejector Stroke	9.84"	Mold Locating Ring	5"	Knockout Holes Horizontal & Vertical	3 1/2" Off Center - 4 1/16" 6" x 28" Center	Maximum Injection Pressure	31,973 psi	Intensification Ratio	12.25:1
Platen Size	49" X 49"																																						
Distance Between Tie Bar	36" X 36"																																						
Maximum Injection Pressure	32,400 psi																																						
Min/Maximum Mold Height	9.8"/39.4"																																						
Maximum Daylight	67.9"																																						
Ejector Stroke	9.8"																																						
Mold Locating Ring	4.000"																																						
Nozzle Extension Past Cavity	4.000"																																						
Knockout Holes Horizontal & Vertical	3 1/2, Center 4"x 16", 6"x28"																																						
Intensification Ratio	15.96:1																																						
Platen Size	60.63" x 56.74"																																						
Distance Between Tie Bar	44.49" x 38.61"																																						
Min/Maximum Mold Height	15.75" /37.40"																																						
Maximum Daylight	68.90"																																						
Ejector Stroke	9.84"																																						
Mold Locating Ring	5"																																						
Knockout Holes Horizontal & Vertical	3 1/2" Off Center - 4 1/16" 6" x 28" Center																																						
Maximum Injection Pressure	31,973 psi																																						
Intensification Ratio	12.25:1																																						

700 TON 80 OZ.

HPM

Platen Size	63.5" x 54"
Distance Between Tie Bar	46" x 36.5"
Min/Maximum Mold Height	14"
Max Daylight	85"
Ejector Stroke	8"
Mold Locating Ring	4" or 5"
Nozzle Extension Past Cavity	15"
Intensification Ratio	7.8:1
Maximum PSI	20,000
SPI	All Standard Patterns

1000 TON 185 OZ.

UBE

Platen Size	76.9" x 66.9"
Distance Between Tie Bar	60" x 50"
Min/Maximum Mold Height	19.7"/52.7"
Maximum Daylight	107.85"
Ejector Stroke	7.8"
Mold Locating Ring	6"
Nozzle Extension Past Cavity	15"
Knockout Holes Horizontal & Vertical	6" x 28", 10" x 40"
Intensification Ratio	12.25:1
Maximum PSI	19,120

1000 TON 200 OZ.

HPM

Platen Size	80" x 65"
Distance Between Tie Bar	60" x 45"
Min/Maximum Mold Height	15"
Maximum Daylight	96"
Ejector Stroke	10"
Mold Locating Ring	4" or 5"
Nozzle Extension Past Cavity	15"
SPI	All Standard Patterns
Intensification Ratio	7.8:1
Maximum PSI	20,000

Wittmann 5 Axis Robot is Available For Use

1250 TON 167 OZ.

NEGRI BOSSI

Platen Size	84.6" x 66.9"
Distance Between Tie Bar	62.9" x 45.2"
Min/Maximum Mold Height	20"/47"
Maximum Daylight	55.12"
Ejector Stroke	10.63"
Maximum Injection Pressure	23,490 psi
Mold Locating Ring	6.000"
Nozzle Extension Past Cavity	15"
Knockout Holes Horizontal & Vertical	4" x 16", 6" x 28"
Intensification Ratio	9.0:1

1500 TON 265 OZ.

UBE

Platen Size	97.5" x 77.5"
Distance Between Tie Bar	72" x 52"
Min/Maximum Mold Height	20"/58"
Maximum Daylight	117"
Ejector Stroke	9.75"
Mold Locating Ring	4" or 5" or 5"
Nozzle Extension Past Cavity	10"
SPI	All Standard Patterns
Intensification Ratio	11.27:1

1800 TON 166 OR 86 OZ + 39 OZ + 8 OZ

Available September 2018
KRAUSS MAFFEI – 3 SHOT

Platen Size	100.47" x 82.68"
Distance Between Tie Bar	73.68" x 55.95"
Min/Maximum Mold Height	32.31"/67.77"
Maximum Daylight	138.69"
Ejector Stroke	13.79"
Mold Locating Ring	TBD
SPI	TBD
Intensification Ratio	TBD
Maximum PSI	32,518/33,301

**1800 TON 119 OZ +
25 OZ + 34 OZ + 39 OZ**

Coming Fall 2018
KRAUSS MAFFEI – 4 SHOT

Platen Size	100.47" x 82.74"
Distance Between Tie Bar	73.68" x 55.95"
Min/Maximum Mold Height	20.88"/74.07"
Maximum Daylight	127.26"
Ejector Stroke	13.79"
Mold Locating Ring	TBD
SPI	TBD
Intensification Ratio	TBD
Maximum PSI	33,359

2200 TON 400 OZ.

HPM

Platen Size	100" x 88"
Distance Between Tie Bar	72" x 60"
Min/Maximum Mold Height	19"
Maximum Daylight	120"
Ejector Stroke	12"
Mold Locating Ring	4" or 5"
Nozzle Extension Past Cavity	15"
SPI	All Standard Patterns
Intensification Ratio	7.8:1
Maximum PSI	20,000
MGS-UMS 60V-60MM (22.4 oz) Vertical Injection Unit (Two Shot) Available	

3500 TON 400 OZ.

HPM

Platen Size	128" x 110"
Distance Between Tie Bar	89" x 72"
Min/Maximum Mold Height	35"/72"
Maximum Daylight	160"
Ejector Stroke	12"
Mold Locating Ring	4" or 5" or 6"
Nozzle Extension Past Cavity	10"
SPI	All Standard Patterns
Intensification Ratio	7.8:1
Maximum PSI	20,000

A Six Axis Fanuc 430iL is Available For Use

3500 TON 600 OZ.

HPM

Platen Size	120" x 108"
Distance Between Tie Bar	84" x 72"
Min/Maximum Mold Height	25"
Maximum Daylight	135"
Ejector Stroke	12"
Mold Locating Ring	4" or 5" or 6"
SPI	All Standard Patterns
Intensification Ratio	-10:1
Maximum PSI	20,000