DIE CAST MACHINERY LLC

3246 West Monroe Street
Waukegan, IL 60085-3029 USA
1-847-360-9170 Phone
www.diecastmachinery.com

Die Cast Machinery, LLC Inventory number: DCM-6328

We offer for sale, subject to availability, prior sale and the terms listed below:

Used Buhler Model: Megacast Carat 610 Extended 6220 Metric Tons (6,846 US Tons, 61,000 kn) Horizontal Cold Chamber Aluminum High Pressure Die Casting Machine

Status:	**Available**
Manufacturer:	Buhler
Model:	Megacast Carat 610 Extended
Size:	6220 Metric Tons (6,846 US Tons, 61,000 kn)
ID Number:	DCM-6328



Buhler - Megacast Carat 610 Extended 6220 Metric Tons (6,846 US Tons, 61,000 kn) Horizontal Cold Chamber Aluminum High Pressure Die Casting Machine, Buhler DataView with Smart CMS (Cell Management System) Controls

View this machine online: DCM-6328

Specifications

	U.S. Standard	Metric
Locking Force:	6,856 Tons	60,000 kN - 6,220 Metric Tons
Platen Size (H x W)	151.57 x 157.57 inches	3,850 x 3,850 mm
Clearance Between Tie Bars:	86.14 x 86.14 inches	2,200 x 2,200 mm
Die Thickness (minimum - maximum):	51.18 - 94.48 inches	1,300 - 2,400 mm
Die Stroke (maximum):	86.14 inches	2,200 mm
Central Ejection Stroke/Force	11.02 inches - 168 tons	280 mm - 1,500 kN - 152.9 Metric Tons
Shot Positions:	Center to -27.55 inches, Inserted, multi-positions	Center to -700 mm, Inserted, multi-positions
Shot Injection Stroke/Force (intensified)	66.92 inches - 481 tons	1,700 mm - 4,295 kN - 437.96 Metric Tons
Shot Weight (aluminum) Min & Max	140.8 - 281.6 pounds	64 - 128 kg
Projected Area:	2,363 square inches @ 5,801 PSIG	15,250 square cm @ 400 BAR
Operating Power:	575/3/60	575/3/60
Machine Weight (approximate):	880,000 pounds	400,000 kg

Features & Accessories:

- New 2023 - Unused Condition - Fully AUTOMATED: Includes Wollin Spray, Pyrotek furnace, ABB Ladle Robot, ABB Extractor/Trim Press Load, ABB Reposition Robot, ABK 300 ton trim press, Buhler Vacuum System, SIC Laser Marking System.
- Buhler Carat Two Platen Design Featuring Toggle-Free Design eliminating Linkage with Buhler DataView Controls with optional SmartCMS Cell Management System, Dual Tie Bar Pulling of top 2 tie bars,
- Machine Features: Eight (8) Auxiliary Hydraulic Side Core Circuits - Six (6) Core Circuits on Moving Platen - two (2) on Fixed Platen, Inserted Shot Position (allows for multiple shot positions), Hydraulic Bumper Plate Ejection System
- Wollin ESTM8-PGM High Speed Linear Die Spray System, ABB IRB 7600-340/2.8 Six Axis Robot For Ladle operations,

ABB IRB 7600-325/3.1 6 axis Extraction with 7th Axis Horizontal Slide ABB IRB 6700-245/3.00 Reposition Robot

- Buhler SmartVac 4000/600 Die and Shot Sleeve Vacuum System, Marti Casting Palletizing System SIC Marking Laser Parts Marking System Marposs Total Thermal Vision Temperature monitoring system
- Robamat 5222 Temperature Control Units, CaroLub Plunger lubrication System
- Schaefer 5.2 metric ton per hour (11,440 pounds/hour) Natural Gas Combination Stack-Melting furnace with Wet bath Reverb Aluminum Melting Furnace

Terms of Sale:

Price: request quotation

Shipping Terms: Ex-works

Questions? Call (847) 360-9170 and mention DCM-6328.

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Photos - DCM-6328

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Photo 1 of DCM-6328 - view online



Photo 2 of DCM-6328 - view online



Photo 3 of DCM-6328 - view online



Photo 4 of DCM-6328 - view online



Photo 5 of DCM-6328 - view online



Photo 6 of DCM-6328 - view online

Photos - DCM-6328 (continued)

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Photo 7 of DCM-6328 - view online



Photo 8 of DCM-6328 - view online

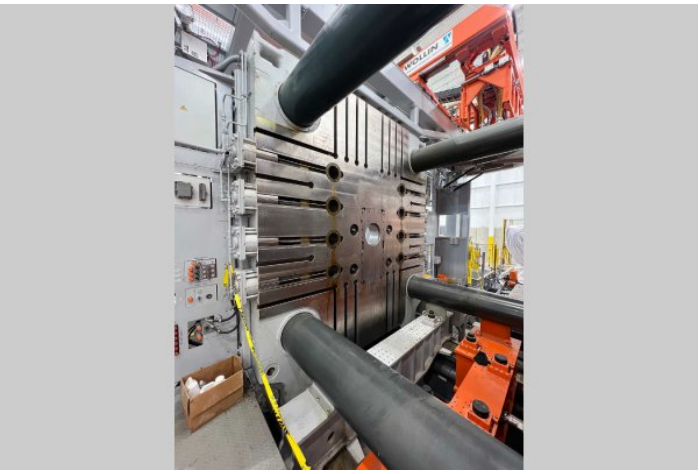

Photo 9 of DCM-6328 - view online



Photo 10 of DCM-6328 - view online



Photo 11 of DCM-6328 - view online



Photo 12 of DCM-6328 - view online

Photos - DCM-6328 (continued)

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Photo 13 of DCM-6328 - view online

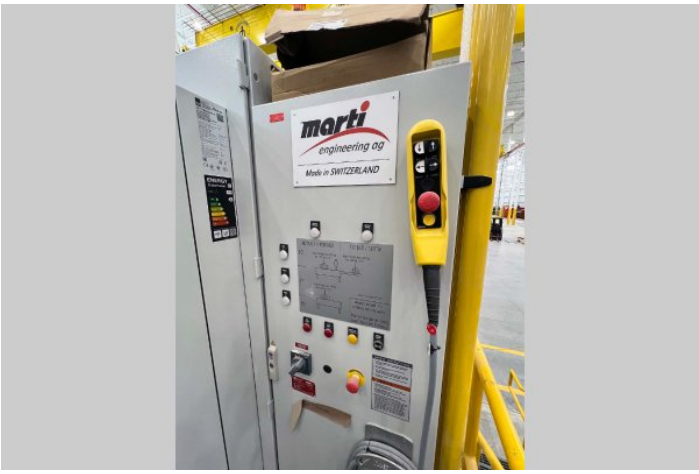

Photo 14 of DCM-6328 - view online



Photo 15 of DCM-6328 - view online



Photo 16 of DCM-6328 - view online

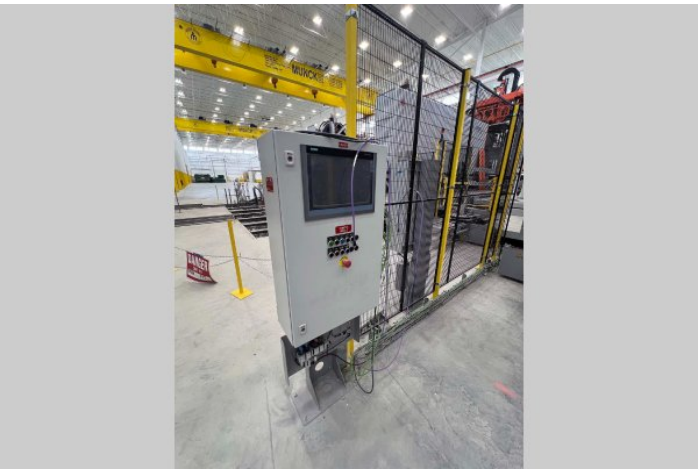

Photo 17 of DCM-6328 - view online



Photo 18 of DCM-6328 - view online

Photos - DCM-6328 (continued)

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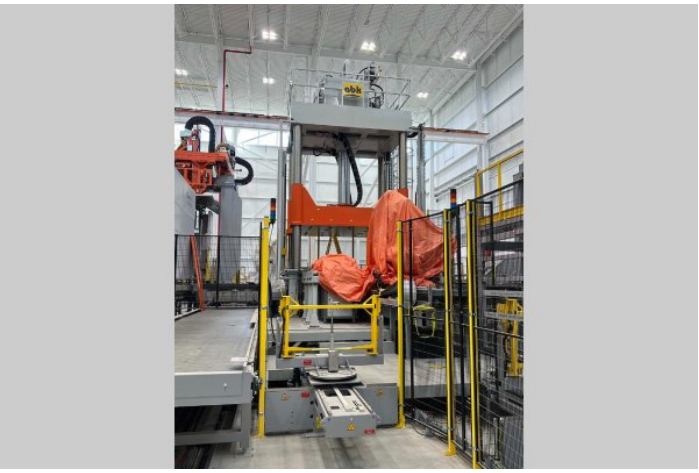
Photo 20 of DCM-6328 - view online



Photo 21 of DCM-6328 - view online



Photo 22 of DCM-6328 - view online



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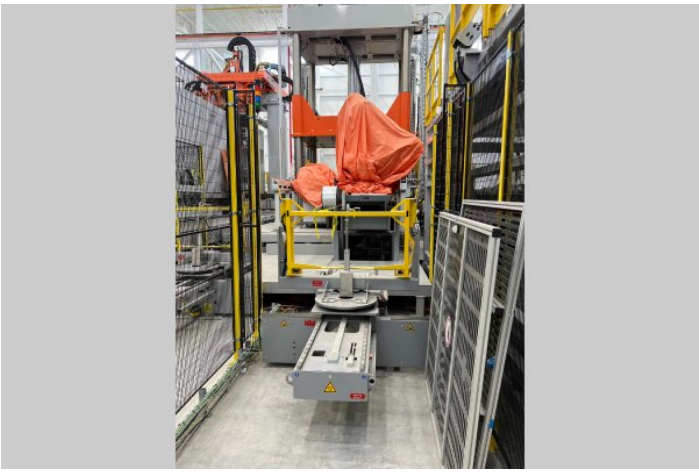

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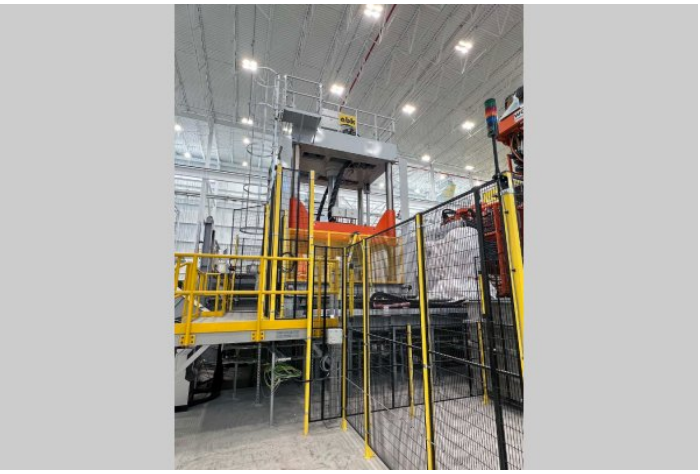
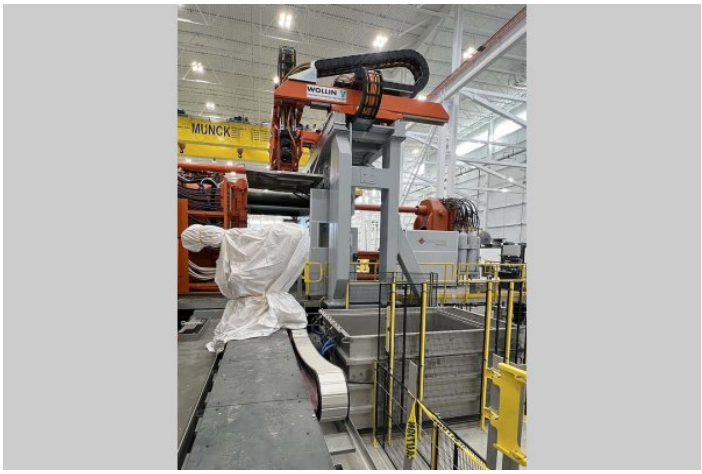


Photo 25 of DCM-6328 - view online



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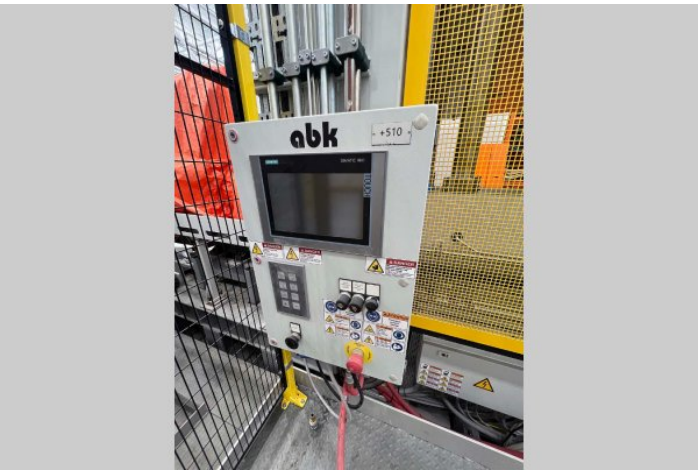

Photo 27 of DCM-6328 - view online



Photo 28 of DCM-6328 - view online

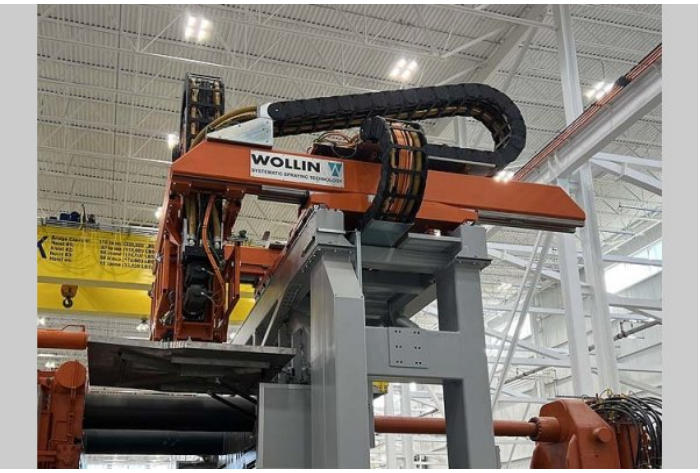

Photo 29 of DCM-6328 - view online



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Used, Buhler Model Megacast Carat 610 Extended 6220 Metric Tons (6,846 US Tons, 61,000 kn) Horizontal Cold Chamber Aluminum High Pressure Die Casting Machine For_Sale, Features Include: Buhler Carat Two Platen Design Featuring Toggle-Free Design eliminating Linkage with Buhler DataView Controls with optional SmartCMS Cell Management System, Dual Tie Bar Pulling of top 2 tie bars, Machine Features: Eight (8) Auxiliary Hydraulic Side Core Circuits - Six (6) Core Circuits on Moving Platen - two (2) on Fixed Platen, Inserted Shot Position (allows for multiple shot positions), Hydraulic Bumper Plate Ejection System, Wollin ESTM8-PGM High Speed Linear Die Spray System, ABB IRB 7600-340/2.8 Six Axis Robot For Ladle operations, ABB IRB 7600-325/3.1 6 axis Extraction with 7th Axis Horizontal Slide ABB IRB 6700-245/3.00 Reposition Robot, Buhler SmartVac 4000/600 Die and Shot Sleeve Vacuum System, Marti Casting Palletizing System SIC Marking Laser Parts Marking System Marposs Total Thermal Vision Temperature monitoring system, Robamat 5222 Temperature Control Units, CaroLub Plunger lubrication System, Schaefer 5.2 metric ton per hour (11,440 pounds/hour) Natural Gas Combination Stack-Melting furnace with Wet bath Reverb Aluminum Melting Furnace, Buhler DataView with Smart CMS (Cell Management System) controls, second Hand, DCM-6328

PURCHASER'S (Buyer's) RESPONSIBILITY AND INDEMNITY: Used machines, equipment or any part thereof, may not incorporate approved activating mechanisms, operator safety devices or safety guards as required by OSHA or otherwise. It shall be a Purchaser's (Buyer's) responsibility to ensure that any and all merchandise or equipment purchased from Die Cast Machinery, LLC or its affiliates is installed and operated in a proper and safe manner. Purchaser (Buyer) also acknowledges that it may have to install or change guards, safeties, warnings or other components to ensure that the merchandise or machines purchased will conform to all laws, codes, regulations, ordinances, statutes, insurance requirements and industry standards. Purchaser agrees to defend, indemnify and hold harmless Die Cast Machinery, LLC from and against all suits, claims, costs, damages and expenses, including, but not limited to, reasonable attorneys' fees, arising out of, or in connection with, the transportation, purchase, ownership, or use of the merchandise or equipment sold hereunder. Information has been obtained from sources deemed reliable, buyers should avail themselves of the opportunity to inspect the items before purchase.