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-5794

Used Buhler Model: Carat 105L Compact 1070 Metric Tons (1,179 US Tons, 10,500 kn) Horizontal Cold Chamber Aluminum High Pressure Die Casting Machine

Status:	**Sold**
Manufacturer:	Buhler
Model:	Carat 105L Compact
Size:	1070 Metric Tons (1,179 US Tons, 10,500 kn)
ID Number:	DCM-5794

Buhler - Carat 105L Compact 1070 Metric Tons (1,179 US Tons, 10,500 kn) Horizontal Cold Chamber Aluminum High Pressure Die Casting Machine, Buhler Data@Net Controls

View this machine online: DCM-5794



Specifications

	U.S. Standard	Metric
Locking Force:	1,179 tons	10,500 kN - 1,070 Metric Tons
Platen Size (H x W)	62.99 x 62.99 inches	1.600 x 1,600
Clearance Between Tie Bars:	39.37 x 39.37 inches	1,000 x 1,000 mm
Die Thickness (minimum - maximum):	22.16 - 70.86 inches	562 - 1,1500 mm
Die Stroke (maximum):	61.02 inches	1,000 mm
Central Ejection Stroke/Force	11.02 inches - 44.86 tons	220 mm - 400 kN - 40.7 Metric Tons
Shot Positions:	Center to -13.77 inches, Inserted, multi-positions	Center to -350 mm, Inserted, multi-positions
Shot Injection Stroke/Force (intensified)	33.46 inches - 123.4 tons	850 mm - 1,099 kN - 112 Metic Tons
Shot Weight (aluminum) Min & Max @ 60% fill	15.62 - 47.96 pounds	7.1 - 21.8 kg
Projected Area:	406.8 square inches @ 5,801 PSIG	2,625 square cm @ 400 BAR
Operating Power:	480/3/60	480/3/60
Machine Weight (approximate):	112,200 pounds	51,000 kg

Features & Accessories:

- New 2022 - FULLY AUTOMATED: ABB 6600 6 Axis Foundry Plus 2 Extract Robot with Rimrock 305/410 Combo Auto Ladle and Die Sprayer with Allen Bradley K5500 Controls (New in 2021, MPH Holimesy Low Energy Electric Holding Furnace, Metal Mechanics 50
- Buhler Carat Two Platen Design Featuring Toggle-Free Design elimnating Linkage plus Buhler Second Generation Digital Real-Time Shot Control with 40 curve points. Dual Tie Bar Pulling of top 2 tie bars.
- Six (6) Auxiliary Hydraulic Side Core Circuits - Four (4) Core Circuits on Moving Platen - two (2) on Fixed Platen, Inserted Shot Position (allows for multiple shot positions), Hydraulic Bumper Plate Ejection System
- ABB IRB 6600 six axis Foundry Rated Extract Robot with Stainless Steel Quench Tank with Heat Exchanger
- Rimrock 305 Automatic Ladle with Allen Bradely K5500 Control System and Rimrock 410-60 Reciprocating Die Sprayer with Allen Bradley K5500 Controls and Dual Lube Capability with Spray Package

- Metal Mechanics 50 ton Automated Four Post Hydrauilc Trim Press with side core punch circuits

Terms of Sale:

Price: sold

Shipping Terms: Ex-works

Questions? Call (847) 360-9170 and mention DCM-5794.

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Photos - DCM-5794

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Photo 1 of DCM-5794 - view online



Photo 2 of DCM-5794 - view online

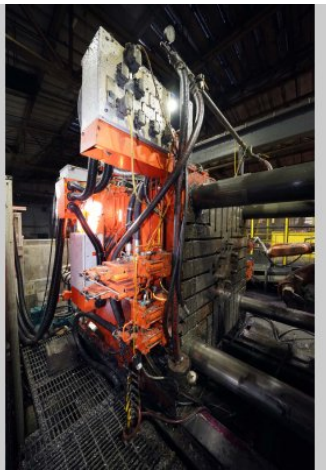

Photo 3 of DCM-5794 - view online



Photo 4 of DCM-5794 - view online

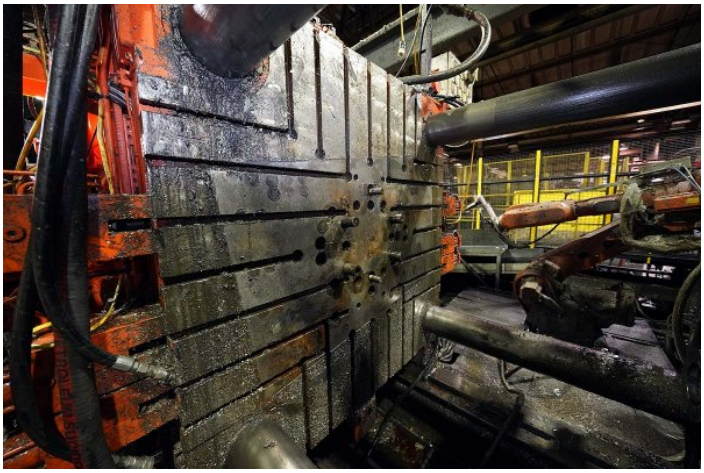

Photo 5 of DCM-5794 - view online



Photo 6 of DCM-5794 - view online

Photos - DCM-5794 (continued)

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Photo 7 of DCM-5794 - view online



Photo 8 of DCM-5794 - view online

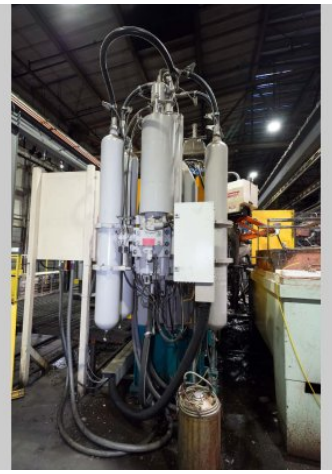

Photo 9 of DCM-5794 - view online

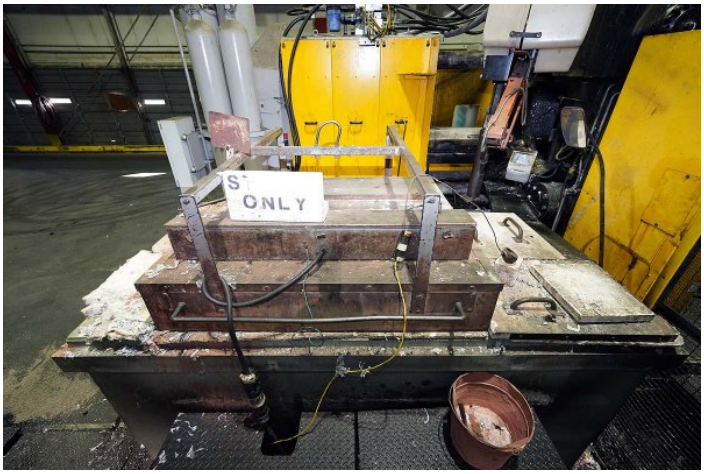

Photo 10 of DCM-5794 - view online



Photo 11 of DCM-5794 - view online



Photo 12 of DCM-5794 - view online

Photos - DCM-5794 (continued)

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Photo 13 of DCM-5794 - view online



Photo 14 of DCM-5794 - view online



Photo 15 of DCM-5794 - view online

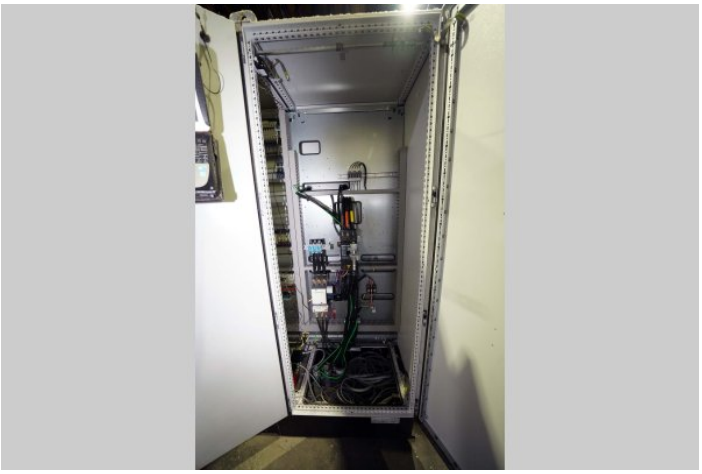

Photo 16 of DCM-5794 - view online

Description:

Used, Buhler Model Carat 105L Compact 1070 Metric Tons (1,179 US Tons, 10,500 kn) Horizontal Cold Chamber Aluminum High Pressure Die Casting Machine For_Sale, Features Include: Buhler Carat Two Platen Design Featuring Toggle-Free Design elimnating Linkage plus Buhler Second Generation Digital Real-Time Shot Control with 40 curve points. Dual Tie Bar Pulling of top 2 tie bars., Six (6) Auxiliary Hydraulic Side Core Circuits - Four (4) Core Circuits on Moving Platen - two (2) on Fixed Platen, Inserted Shot Position (allows for multiple shot positions), Hydraulic Bumper Plate Ejection System, ABB IRB 6600 six axis Foundry Rated Extract Robot with Stainless Steel Quench Tank with Heat Exchanger, Rimrock 305 Automatic Ladle with Allen Bradely K5500 Control System and Rimrock 410-60 Reciprocating Die Sprayer with Allen Bradley K5500 Controls and Dual Lube Capability with Spray Package, Metal Mechanics 50 ton Automated Four Post Hydrauilc Trim Press with side core punch circuits, Buhler Data@Net controls, second Hand, DCM-5794

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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.