



Die Cast Machinery, LLC Inventory number DCM: 5756

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

Used Buhler Model: Carat 350L compact 3569 Metric Tons (3,934US Tons, 35,000 kn) Horizontal Cold Chamber Aluminum High Pressure Die Casting Machine

Model: Carat 350L compact

New 2019 - FULLY AUTOMATED: Fanuc 6 Axis Spray Robot with Wollin Spray System, Rauch Ingot Preheat, Melt and Dosing furnaces, Fanuc 6-Axis Extractor/Trim Press Load Robot with Automatic Quench, Meccanica 120 Trim Press and post-trim parts extract

Status: Available

Specifications:	Metric / U.S. Standard
Locking Force:	35,000 kN - 3,569 Metric Tons / 3,934 tons
Platen Size (H x W)	2,750 x 2,750 / 108.26 x 108.26 inches
Clearance Between Tie Bars:	1,700 x 1,700 mm / 66.92 x 66.92 inches
Die Thickness (minimum - maximum):	998 - 2,000 mm / 39.29 - 78.75 inches
Die Stroke (maximum):	1,700 mm / 66.92 inches
Central Ejection Stroke/Force	280 mm - 680 kN - 69.3 Metric Tons / 11.02 inches - 76.09 tons
Shot Positions:	Center to -560 mm, Inserted, multi-positions / Center to -22.04 inches, Inserted, multi-positions
Shot Injection Stroke/Force (intensified)	1,300 mm - 2,076 kN - 211 Metric Tons / 51.18 inches - 232.5 tons
Shot Weight (aluminum) Min & Max @ 60% fill	19.8 - 44.7 kg / 46.65 - 98.54 pounds
Projected Area:	8,750 square cm @ 400 BAR / 1,356 square inches @ 5,801 PSIG
Operating Power:	480/3/60 / 480/3/60
Machine Weight (approximate):	209,000 kg / 348,330 pounds

Features & Accessories:

Buhler Carat Two Platen Design Featuring Toggle-Free Design eliminating Linkage plus Buhler Second Generation Digital Real-Time Shot Control with 40 curve points. Dual Tie Bar Pulling of top 2 tie bars

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

Rauch MVE-1200E Ingot Preheater with **Rauch MDO1100R** Melting and Dosing furnace with 1,100 kg/2,420 pounds per hour melt rate with two (2) Fanuc robots handling Ingot Loading and Transfer

Fanuc Six Axis Foundry Die Spray Robot System with **Wollin** Spray Package and **Wollin** Proportional Die Lube Mixing System, **Fanuc R-2000iC** six axis Foundry Rated Extract Robot with Quench Tank and Trim Press Load

Meccanica PTCR120M 120 metric ton Automated Four Post Hydraulic Trim Press with side core punch circuits, automated parts unloader, air-blow, post-trim parts conveyor

Terms of Sale:

Price: [request quotation](#)

Shipping Terms: Ex-works

Product Photos:

Click on any image for a larger view



Description: Used, Buhler Model Carat 350L compact 3569 Metric Tons (3,934US Tons, 35,000 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 plus Buhler Second Generation Digital Real-Time Shot Control with 40 curve points. Dual Tie Bar Pulling of top 2 tie bars, 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, **Rauch MVE-1200E** Ingot Preheater with **Rauch MDO1100R** Melting and Dosing furnace with 1,100 kg/2,420 pounds per hour melt rate with two (2) Fanuc robots handling Ingot Loading and Transfer, **Fanuc** Six Axis Foundry Die Spray Robot System with **Wollin** Spray Package and **Wollin** Proportional Die Lube Mixing System, **Fanuc R-2000iC** six axis Foundry Rated Extract Robot with Quench Tank and Trim Press Load, **Meccanica PTCR120M** 120 metric ton Automated Four Post Hydraulic Trim Press with side core punch circuits, automated parts unloader, air-blow, post-trim parts conveyor, , Buhler Data@Net Controls, Second Hand, DCM-5756

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.