



EQUIPMENT LIST

Monticello, Minnesota

DIE CASTING EQUIPMENT

All die cast cells are fully automated with ABB - IRB 4400 Six Axis Robots for auto extract/trim, as well as Rimrock Auto-ladles and Reciprocators.

4	Dual Alloy (Aluminum and Magnesium) Die Casting Machines	Commission Date(s)
	(2) 600 Ton Buhler 53D	2001 (x2)
	(1) 1050 Ton Buhler 84DLV	2002
	(1) 950 Buhler 84DL	2001

1	Aluminum Die Casting Machines	Commission Date(s)
	(1) 950 Buhler 84DL	2001

Furnaces and Die Therm Regulators	Commission Date(s)
(1) MPH/Lindberg 20,000 lb. Central remelt furnace	2001
(3) MPH Holding Furnaces	-
(2) MDO 250 Rauch Magnesium Furnace, Pre-heaters, & gas mixing units	2001
(2) MDO 500 Rauch Magnesium Furnace, Pre-heater, & gas mixing unit	2009
(1) Dynarad MS600 melt/holding furnace	2004
(1) Stotek Dosotherm 1210 dosing furnace	2013
(6) Regloplas Dual Zone Hot Oil Die Thermal Regulator Units	-

Trimming Equipment
(5) Presses ranging from 25 to 75 Ton

CNC EQUIPMENT

1	Horizontal Machining Centers	Commission Date(s)
	(1) Mori Seiki NH-5000	2003
6	Vertical Machining Centers	Commission Date(s)
	(2) Mori Seiki Mill Tap 700	2014
	(1) Fanuc T21IDL Robodrill	2004
	(1) Bridgeport GX1000 OSP	2012
	(2) Haas VF 3ss Super Speed (SS)	2015, 2016

INSPECTION EQUIPMENT

- CMM – Zeiss Contura w/Calypso Software
- Optical Emission Spectrometer
- Minitab Statistical Software
- Hardness Tester
- Deltronic 12" Optical Comparator