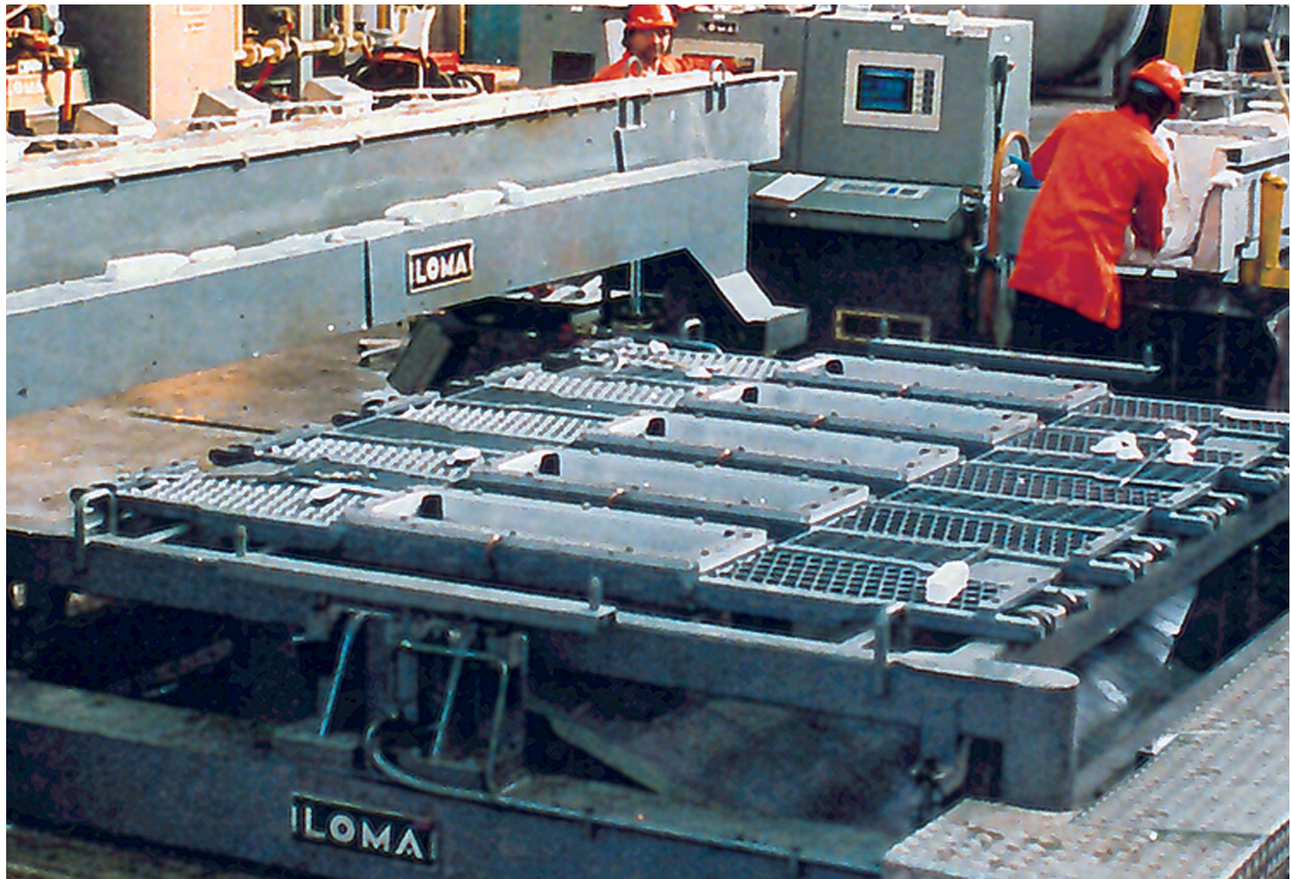
a division of
MAGNUM INTEGRATED TECHNOLOGIES

Casting Systems

CANADA
200 First Gulf Blvd., Brampton, Ontario, Canada L6W 4T5
N.A.: +1 (800) 595-8481 INT'L: +1 (905) 455-5730
FAX: +1 (905) 455-0422

CHINA
New Golden Bridge Plaza, No.585 Xi Zang Rd., Suite 3F
Shanghai, China 200003
PH: +86 21 6358 6205 FAX: +86 21 6358 6208

sales@lomamachine.com
www.lomamachine.com



MAGNUM® Divisions:

***Hill Acme*™**	***Waterbury Farrel*®**	***Loma Machine*™**	***Anker-Holth*™**	***Magnum Power*™**	***Magnum Logix*™**
Grinding, Polishing, Shears & Metalworkers	Rolling, Rod & Wire Mills	D.C. & Cont.Casting Systems, Saws & Mold Technology	Fluid Power Specialists	Hydro Dams & Gates	Automation & Controls
www.hill-acme.com	www.waterburyfarrel.com	www.lomamachine.com	www.anker-holth.com	www.magnum-power.net	www.magnum-logix.com
N.A.: 800.595.8481	N.A.: 800.206.8822	N.A.: 800.799.9983	N.A.: 800.387.3834	N.A.: 800.595.8481	N.A.: 800.595.8481
Int'l.: +1.905.455.5730	Int'l.: +1.905.455.0106	Int'l.: +1.905.455.5730	Int'l.: +1.905.455.0402	Int'l.: +1.905.455.3266	Int'l.: +1.905.455.0309

LOMA®

Your success is our goal.

Semi-Continuous

Aluminium Magnesium

Continuous

Copper Brass Magnesium

LOMA® has designed and installed a wide range of ferrous and non-ferrous casting and material handling equipment throughout the world. ***Lomatrol™*** automation experts are available to help determine the most cost-effective method for optimizing production.

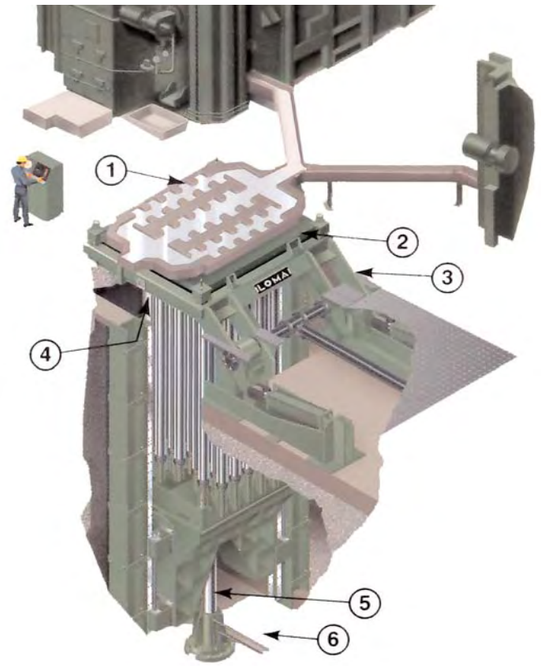
Current equipment is listed below. New features are continually being developed, incorporating technological advances to meet specific needs.

* ***Lomatrol III™*** Process Control
* Hot Top "***Easycast™*** " Molds
* Automatic Metal Level Control Systems
* Chip Bisquitters
* Turn Tables
* Inspection Tables
* Scale Conveyors
* Length Gauging Mechanisms
* Stamping Devices
* Versatile Carriage Designs
* Automated Furnace Tilt Controls
* Full Conveyor Material Handling Systems
* Stackers
* Unloading Devices
* Entry / Exit Conveyors
* Scrap, Butt and Chip Conveyors
* Sawing Systems
* Full Engineering of Complete Process Automation

A Range of Advanced Concepts

Loma™ offers hot-top mold systems engineered to meet specific process needs. Our optimized design delivers increased casting yields of fine grain structure with improved surface quality.

"Easycast"™ mold technology for semi-continuous casting of non-ferrous metals results in higher quality product, reduced costs, reduction of scrap, reduced casting times and improved safety and automation controls.



a Loma™ D.C. Caster

1. A refractory-lined launder delivers the molten metal to the individual molds.

2. Full flow-rate waterbox surrounding each mold delivers consistent cooling characteristics.

3. Tilting, rolling and combined tilt/roll mold carriages are available on semi-continuous casters.

4. Multiple billets or ingots are cast in each pour.

5. Two systems are offered to maintain casting straightness:

(a) A twin guide column arrangement with platen mounted guide shoes maintain straightness and protect the casting cylinder.
(b) Large double or single acting anti-rotational cylinders eliminate the need for guide columns and shoes and at the same time, minimize maintenance chores.

6. For specific applications, **Loma™** can provide Tandem D.C. Casting Machines. In tandem designs, two Direct Chill Casters are placed side-by-side and share a common metal feed position.

Production Without Interruption

With **Loma™** automation one operator can control high volume, continuous production of copper, brass or magnesium in billets, bars or slabs. Single or double strand arrangements can be tailored to meet your specific capacity needs.

Features of...

a Loma™ Continuous Caster

1. The continuous flow of molten metal from holding furnaces enters the launder.

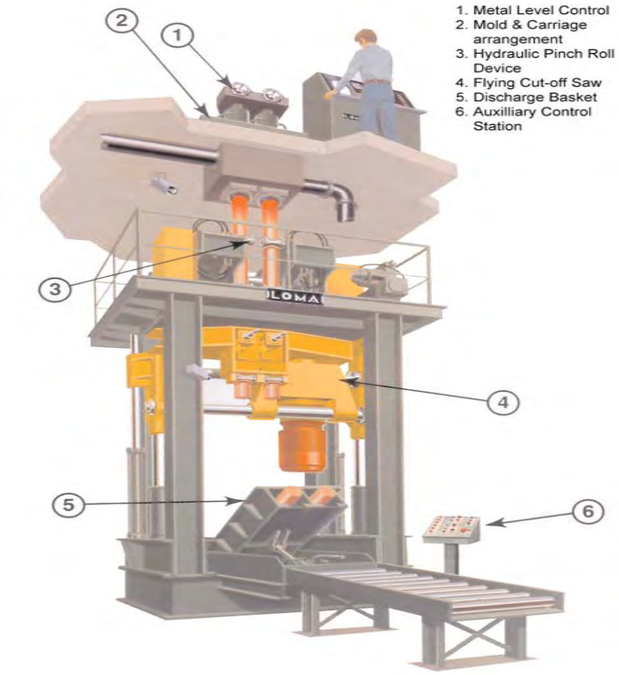
2. Mold and carriage arrangement is a proprietary **Loma™** design. Rolling and swivelling carriages are offered.

3. A double set of hydraulically actuated pinch rolls grip each cast as it exits the mold.

4. Castings are gripped by hydraulic clamps as they are cut to length by the "flying cut-off saw." This powerful circular saw cuts with a horizontal stroke as it moves downward with the cast material.

5. Cut-to-length sections of the cast form are moved from vertical to horizontal by a discharge basket. After tilting 90 degrees, hydraulic cylinders eject them onto the conveyor or other material handling device.

6. An auxiliary control station can provide an efficient operator interface for critical process control, setup and maintenance.



1. Metal Level Control
2. Mold & Carriage arrangement
3. Hydraulic Pinch Roll Device
4. Flying Cut-off Saw
5. Discharge Basket
6. Auxilliary Control Station