

INSIDER

NEW EMPLOYEES - CASTOOL:

In the office:

David Lumley
IT Manager

Sue Su
Inside Sales

In the plant:

Derrick Bradimore
Saw Cutting Area

Remzi Cevik
Technician

Thomas Clarry
Boring Mill

Ning Jiangzhou
CNC Programming

Stefan Laasko
Large CNC

Steven Palmer
Cleaner

Tim Patfield
CNC Milling

Darrell Pattenden
Cleaning

John Perrault
General Labour

Xing Wei
CAD

NEW EMPLOYEES - CASTOOL 180:

Bandit Aunreunngam
Electrical Technician

Paramat Pahongsa (name change)
CNC Lathe

Outh Leuangthong *is now Equipment Supervisor*



We continue to promote our preferred designs and systems, and reinforce their performance with the **first ever limited warranties** based on correct usage and installation. Our goal is to promote the best ROI to the customer in performance and longevity.

EQUIPMENT	WARRANTY
Container	
Mantle	5 yr
Liner	1 yr
Heating elements	3 yr
Die Ovens	
Structure	5 yr
Elements	3 yr

2018 CALENDARS

Castool desktop and wall calendars are now in production and will soon be ready for distribution. As always, the calendar includes all events in both industries worldwide.



COMING EVENT



CASTOOL 180 IS CERTIFIED!

Castool 180 has just been certified for Health & Safety (OHSAS). All of Castool is now certified by Intertek Systems Certification:



QUALITY

SAFETY

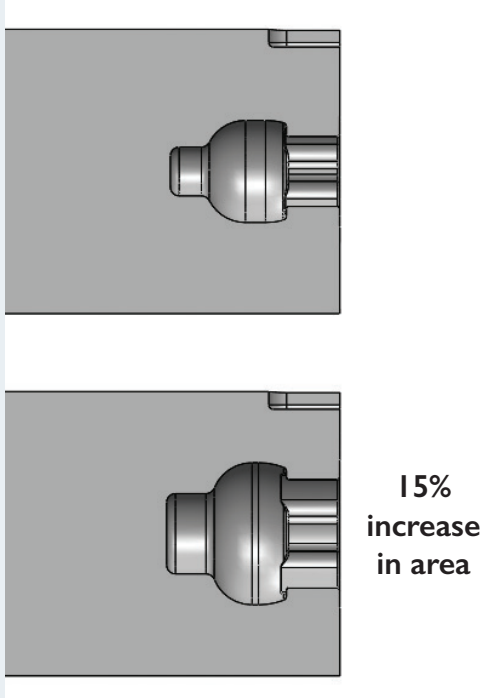
ENVIRONMENT



EXTRUSION UPDATES

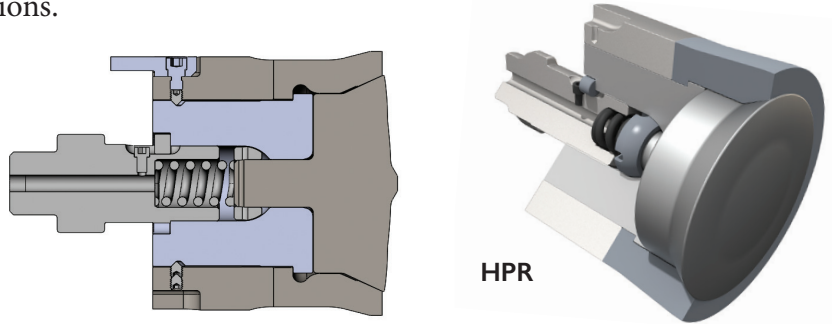
Stems

For high pressure applications we are downsizing the internal bayonet to add strength to the stem and dummy block.

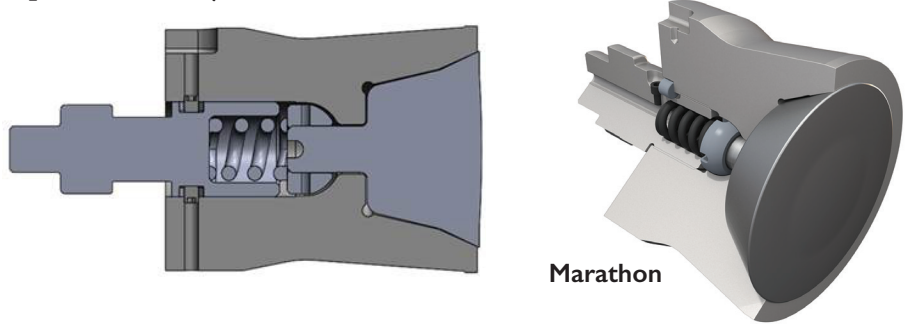


Dummy Blocks

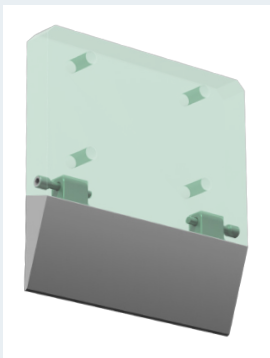
The newest version of the HPR is performing very well in most applications.



We are also having very good success with the Marathon with Tuff Temper material. In several high pressure applications we have outperformed Heydash.



Shear Blades

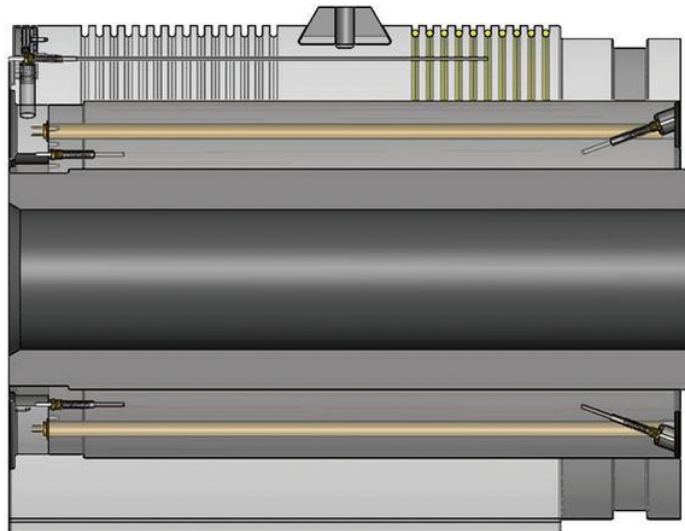


2-piece shear saves cost of consumables. The blade can be replaced while it is still mounted on the press.

QR Containers

We have had some failures with the thermocouples where they are attached to the mantle. We are recommending that customers use hard wire connections from the TC to the junction box, and forgo the connectors on the mantle.

We are getting more and more feedback on ram speed increases using the QR container to dissipate heat created during extrusion. In many instances, **ram speed improvement has been 100 to 200%**.



3-piece with or without water cooling, with 5th location thermocouple close to exterior of mantle

VOS

We plan to have a VOS available in the near future. It will be an extension of the Master Controller, that monitors critical temperatures and ram speed for each die.



EXTRUSION UPDATES

Die Ovens

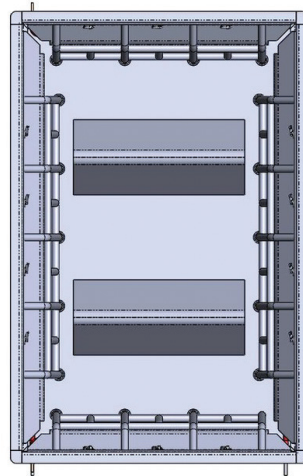
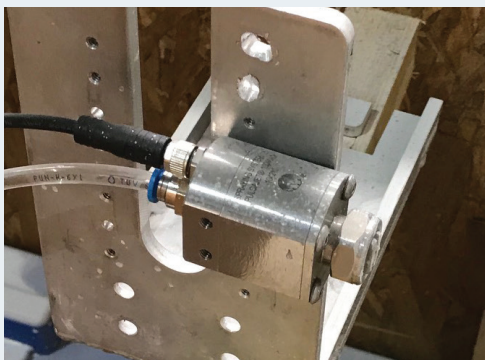
A less expensive Master Controller has been designed and is being sold with many oven installations.



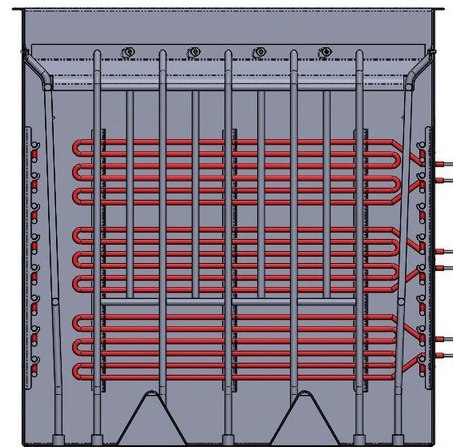
We have had some problems with the racks in the ovens. In several instances dies and or hooks have caused damage to the elements and liners. The racks are being modified to prevent these problems.

Alu-Ject

We are working on a hydrostatic applicator to reduce over spray and maintenance associated with the original applicator.



Element guards
(top view)



Element guards
(side view)

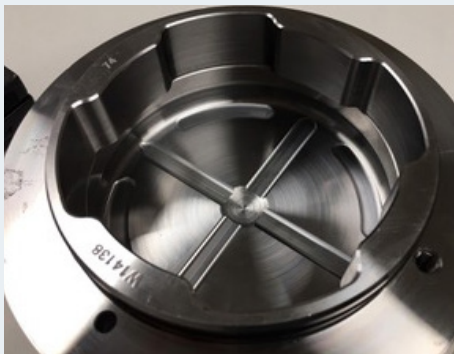


DIE CAST UPDATES

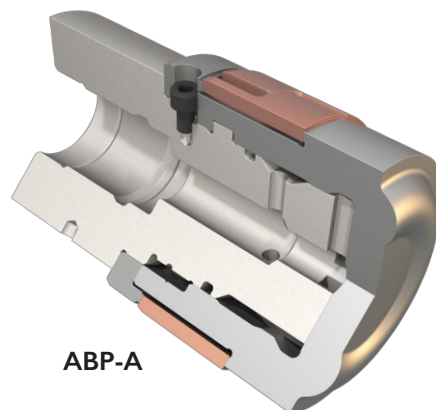
Plunger Tips

Con-Duct continues to perform extremely well.

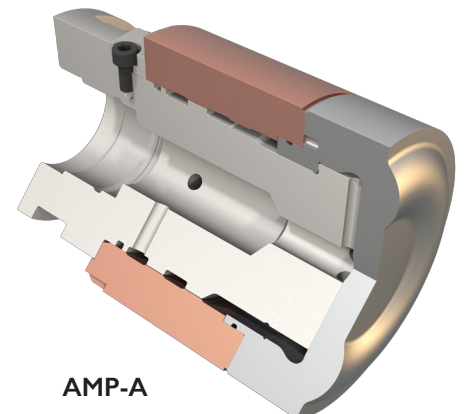
We are now using ABP-A and AMP-A both in Con-Duct where customers are unable to use the ring, for various reasons.



In some instances the extreme life that the AMP-CD heads are getting is causing the head to deform making it difficult to remove from the holder. The heads are being machined to allow for this deformation to extend life.



ABP-A



AMP-A

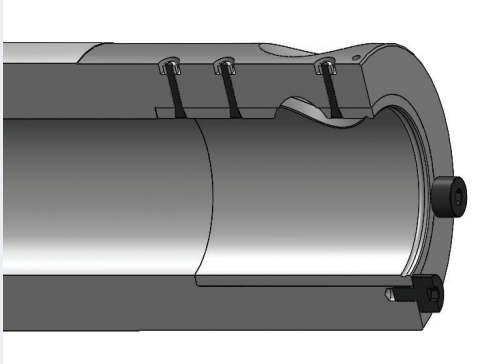


DIE CAST UPDATES

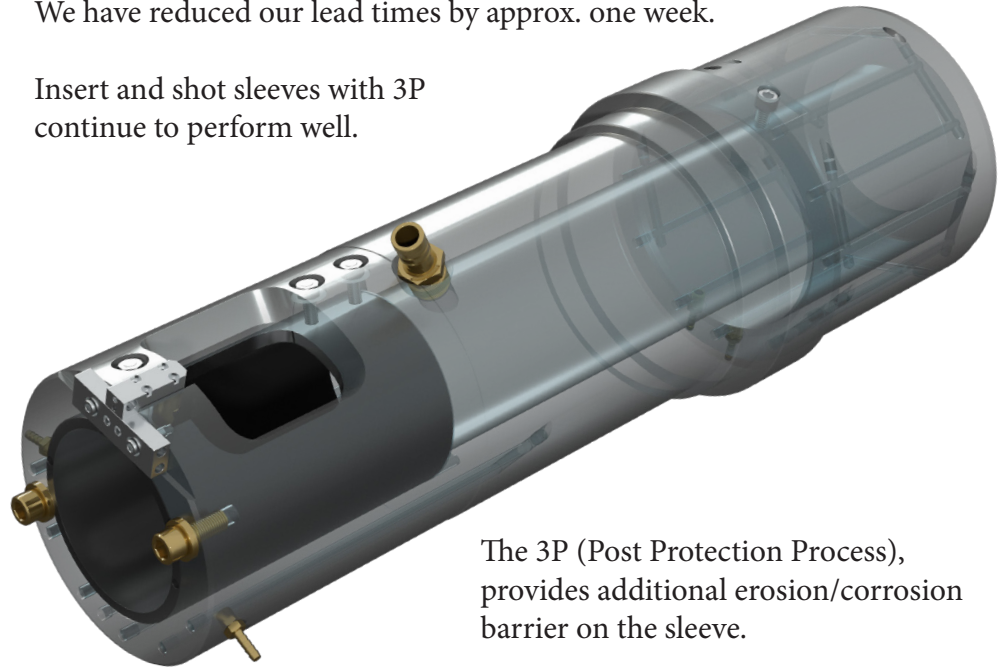
Shot Sleeves

We have reduced our lead times by approx. one week.

Insert and shot sleeves with 3P continue to perform well.



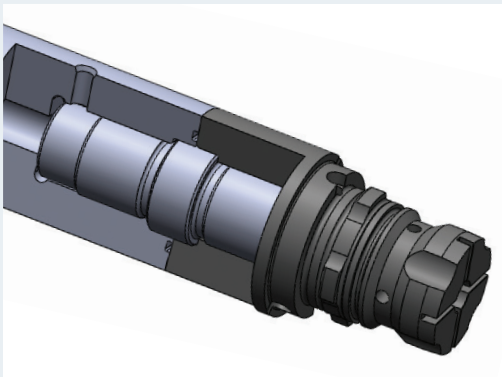
We have started to use a hardened **H-13 proprietary bolt** to hold inserts in place. They can be delivered to any customer presently using our inserts.



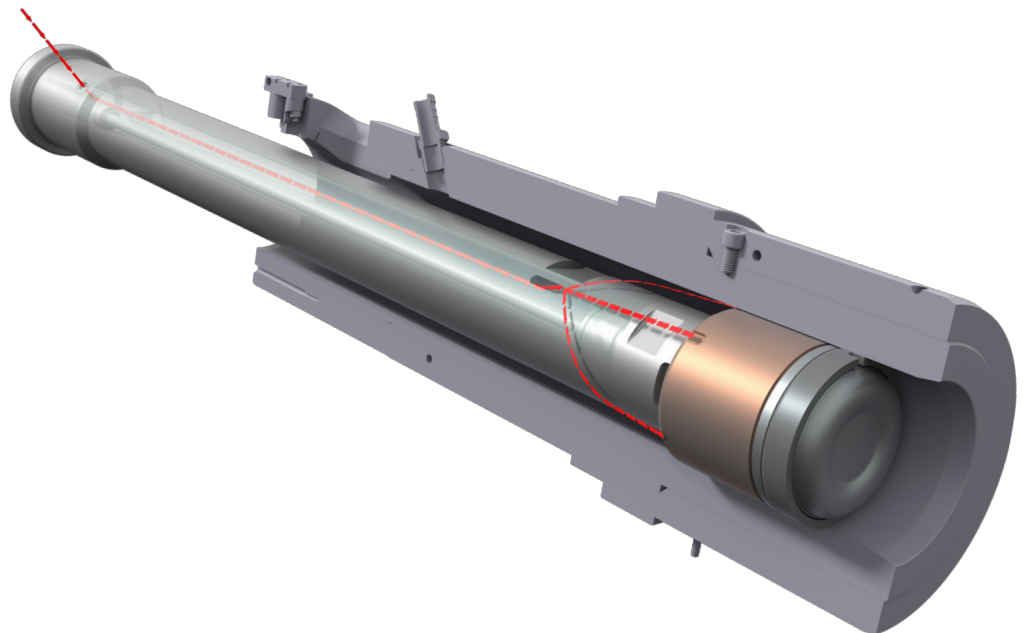
The 3P (Post Protection Process), provides additional erosion/corrosion barrier on the sleeve.

Plunger Rods

We have an internal lube system available in most shot rods. The shot sleeve is lubricated behind the plunger tip prior to return through the sleeve.



We have had several holders come loose on rods recently. Holder are now being fastened with 500 ft-lb/680 N-m.



NEWS FROM THE PLANT

The Bridge Type Mill is now installed to reduce the time required to drill water lines in shot sleeves. This follows a massive reorganization of Castool (Canada) that required 28 machines to be moved to increase throughput and reduce lead time and cost.



Castool 180 (Thailand) will ship the **biggest QR container ever built in house at 44,000 lbs or 22 ton.**

UPCOMING TRADE SHOWS

Our global presence is key to our success



BOOTH # 1031

**October 25-26, 2017
Nashville, TN**



BOOTH # BZ03, Hall 98

**November 22-25, 2017
Bangkok, Thailand**



EUROGUSS 2018

BOOTH # 7A-412

**January 16-18, 2018
Nuremberg, Germany**

The Die Cast System Model

is complete and ready for all trade shows and congress.

This will be an excellent addition to our trade show booths around the world, giving us the opportunity to better explain each component of our system to our customers.

