

# NEW OEM TYPE / CUSTOM INJECTION SCREWS

**For all Makes, Models & Sizes of Injection  
and Extrusion Screws**



## **Typical Designs In Stock**

- G.P. 3:1 Compression Ratio's
- ABS 2:1 Compression Ratio's
- Nitralloy Nitrided
- Stellite #12 & Chrome
- Colmonoy #56 & Chrome

Custom screws with our "Performance Guarantee" Molders Choice can improve most OEM screw designs depending on the plasticizing or mixing deficiencies you are presently experiencing.

The cost of plastic materials & additives such as Glass, Talc, Colorants, etc are all increasing drastically. Now's the time to modify or change your plasticizing screw to improve the process and lower your operating COSTS.

### **We Offer:**

- Improved designs for processing regrind.
- Mixing sections to assure proper dispersion of color.
- A variety of tool steels and surface treatments to prolong the life of the screw.



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24 Hour Service - 7 Days a week

**1-800-809-4623**

WebSite: [www.molderschoice.com](http://www.molderschoice.com) • Email: [molders@molderschoice.com](mailto:molders@molderschoice.com)

# HTM High Performance Screw

## Improves Part Quality and Productivity

### Front-to-back Heat Transfer Device:

- Draws Excess Heat from Mixer Area  
***Prevents Overheating***
- Transfers Heat Back to Transition Zone  
***Melts Pellets Quicker***

### Highest Levels of Mixing

### Lowest Levels of Shear

### Provides:

- ***Better Melt Quality*** – for Better Part Quality
- ***Faster Melt*** – for Faster Recovery Times
- ***Lower Front-End Temperatures*** – for Shorter cooling Times



**Can Improve Cycle Time by 15%**

**Available Sizes:** from 1-3/8" (or 35 mm) to 6" (or 155 mm)

### Available Materials:

- Nitralloy, Heat Treated and Nitrided
- 4140 with Colomonoy 56, Heat Treated and Chrome Plated
- 4140 with Stellite 12, Heat Treated and Chrome Plated
- CPM9V, Heat Treated
- Stainless, Carbide and Most Other Specified Materials

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# SCREW REPAIR AND REPLACEMENT

Whenever you have a worn or damaged feedscrew, call MOLDERS CHOICE for advice on your best repair or replacement strategy.

Nobody can do it better.  
Nobody can beat our prices.

## SCREW REPAIR

***Depending on the screw size and the type and extent of damage, repair can save you 1/3 to 1/2 the cost of a new screw.***

Each screw is Inspected to determine advisability of repairs, then quoted for your go-ahead before repairs are done.

Broken screws are joined and welded to original length. Damaged drive ends and tip ends are rebuilt.

Damaged threads are retapped (plugged and redrilled if needed); broken studs are extracted.

Worn or damaged flights and roots are undercut, then welded and reground to original specifications.

Screws are straightened (several times throughout process), then heat treated and surface treated (nitride or chrome).

Finally, every screw is inspected and coated in corrosion protective before shipment.

## REPLACEMENT SCREWS

If It Can Be Built, We Can Build It.

Many Popular Sizes in Stock.  
Specializing in Foreign Machines.

### Any Material

- Nitralloy
- 4140
- CPM9V
- Hastelloy
- Stellite (flights)
- Colmonoy (flights)

### Any Surface Treatment

- Heat Treated
- Nitrided
- Chrome Plated
- Flame Hardened

### Any Design

### Any Drive Type

### Any Mixer Type

### Custom Applications

**CALL FOR PRICING AND LEAD TIMES**



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