

# Products that exceed your expectations.

## SCREWS

From the most basic general-purpose or mixing screws, to more complex multi-stage variable lead twin screws, W-J has the capability and screw building know-how to meet your needs.

New W-J screws are manufactured to exceed O.E.M. specifications and are available in sizes from lab size (5/8" O.D.) up to the largest injection screws (233" in length).

W-J screws are built from a wide range of materials to meet your specific processing requirements. Our full range of materials includes:

- Nitralloy 135m
- Hastalloy C-276
- CPM-9V
- Vanadis/Elmax
- 17-4PH Stainless
- CPM-420V
- 4140 HT
- "Megaware"
- D-2 Toolsteel

If your need is a rebuilt screw, W-J will inspect the screw prior to any work and advise the most economical screw repair. W-J routinely performs drive end, nozzle thread and standard O.D. repairs using a variety of hard facings such as the popular Colmonoy and Stalites. All screw repair is performed with state-of-the-art pulsed PTA welding.

## BARRELS

Whether new or rebuilt, W-J barrels guarantee maximum plastic melt performance. A full range of materials is offered for new W-J barrels.

- D-2 Toolsteel lined
- Standard Bimetallic
- CPM-10V lined
- Highwear Carbide Bimetallic
- CPM-440V lined
- Corrosive Resistant Bimetallic
- Nitralloy 135m

Barrels can be custom designed and built to mate with your existing screws or matched to a new W-J screw.

Any size injection barrel can be repaired by W-J. Our barrel repair service includes:

- Short-sleeve reline
- Full length reline
- Regrind of sealing faces
- Thermo-couple removal
- Broken bolt removal

Additional repairs quoted upon request.



Twin screw dimensional accuracy assures on-the-job performance.



W-J offers a variety of screw designs – from general purposes through mixing screws.



Finished bimetallic barrel awaiting final inspection.



New injection barrels manufactured to customer specifications.

