

# Kennametal Conforma Clad™ Barrel Inspection and Refurbishing Services

**... for restoring worn-out extruder barrels to like-new condition!**

The Kennametal Conforma Clad barrel inspection and refurbishment services can restore your worn extruder barrels to like-new condition — and we make the process simple and cost-effective. We offer free barrel inspection and a variety of refurbishment options to fit your needs, including direct-clad refurbishment, initial sleeving and re-sleeving. If you need a new barrel, we can supply a wear-resistant barrel for any extruder.

Unlike competitive liners, our sleeves consist of a tungsten carbide material metallurgically bonded to a 4140 steel substrate. The resulting sleeve provides added ductility, virtually eliminating failures associated with rigid liners, including weld separation or the collapse of sleeves.



**Send us your worn-out barrels and get fully refurbished barrels in return.**

## Wear-Protected Extruder Barrels & Liners

Kennametal Conforma Clad™ provides wear-resistant replacement barrels and liners for virtually all extruder systems.

### Replacement Components for OEM Extruders

Berstorff	Entek
Clextral S.A.	Leistritz Corporation
Coperion Corporation (W&P)	Theysohn
Davis Standard Corporation	Toshiba

## Barrel Inspection & Refurbishing Services

Our full-service barrel inspection and refurbishment program includes no-charge inspection services, cleaning and identifying the barrel, dimensional measurements and inspection, and pressure and flow testing. We recommend any repairs that are required to restore your barrel to a like-new condition.

### Kennametal Conforma Clad Barrel Refurbishment Services

General Refurbishment & Weld Repair	Direct-Clad Refurbishment	First-Time Sleeving (Lining)	Re-Sleeving
<i>Barrels with minimal bore wear</i>	<i>Kennametal Conforma Clad barrels with &lt;0.04" of radial bore wear</i>	<i>Kennametal Conforma Clad barrels with &gt;0.40" of radial bore wear OR for bores coated with other protective materials</i>	<i>Barrels that have been previously sleeved</i>
Grit blast exterior to remove loose material	Steps 1-6 of general refurbishment	Steps 1-6 of general refurbishment	Steps 1-6 of general refurbishment
Remove broken bolts & tap threads	Grind out remaining cladding	Bore out barrel to accept liner	Press out old liner
Surface grind faces to specifications	Re-clad bores with cladding	Press in Kennametal Conforma Clad liner	Press in Kennametal Conforma Clad liner
Finish bores to 32 RMS	Grind cladding to a 32 Ra finish	Grind cladding to a 32 Ra finish	Grind cladding to a 32 Ra finish
Flush cooling passages for minimum flow rate of 3 GPM	Reorient bores to dowel holes	Reorient bores to dowel holes	Reorient bores to dowel holes
Hydrostatic pressure test (900 PSI for 5 minutes)	—	—	—
Weld repair minor defects if needed	—	—	—

## Free Inspections

- Please provide a copy of the MSDS for each barrel.
- Once we receive your worn barrels, an inspection will be performed and refurbishing services will be recommended.
- For typical barrel quantities, you will receive your inspection report and recommendations in approximately two weeks.

## CONTACT US

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