

# Tri-Ten U-Series

Compact wet system deburrs both sides of a flat part in a single pass



## Features

- Single planetary head has three 10" diameter disc brushes.
- Brush and turret speeds are independently and infinitely variable.
- Tri-Ten head's three brushes provide 207 sq. in. of abrasive surface area.
- Return-to-operator design.
- Automatic brush wear compensation via motor load feedback monitoring.\*
- Quick-Change brush mounts.
- Programmable part height adjustment.
- Extensively alarmed for the specific application (Upwards of 40 events).
- All motors and electrical components are mounted outside the process cabinet.
- Splash guards to contain coolant.
- Meets Japanese Automotive Supplier Standards.

## Benefits

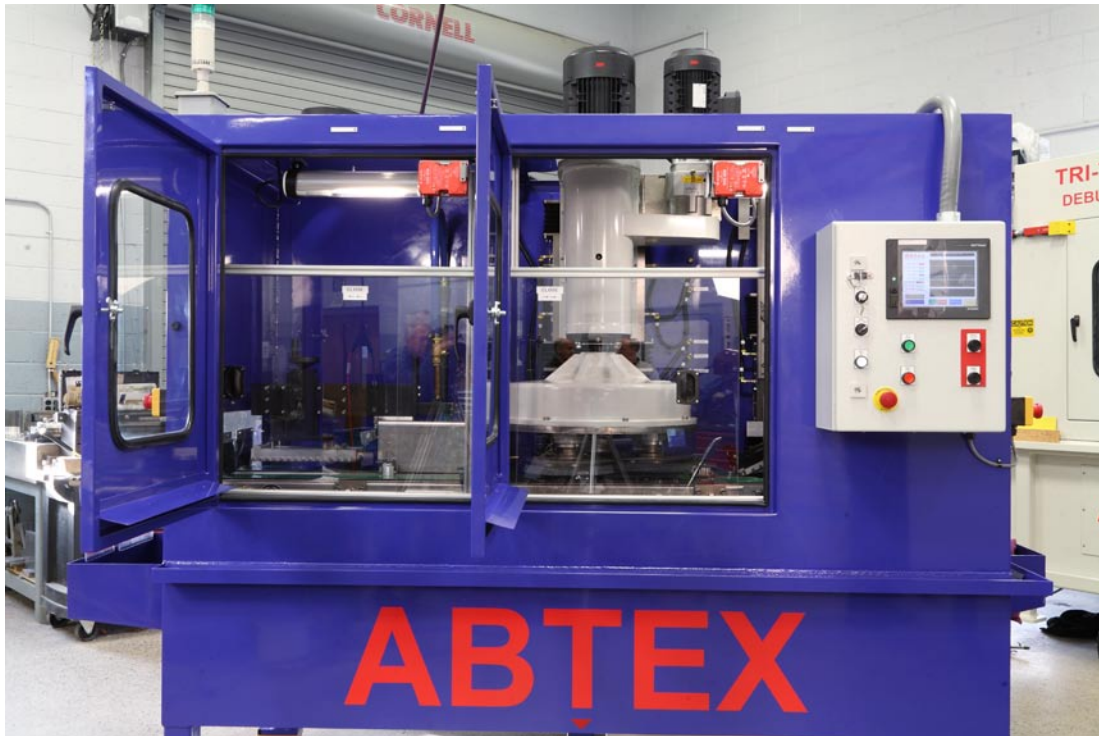
- More uniform and thorough deburring action than a single brush systems or other planetary heads using smaller brushes
- Ratio can be adjusted to eliminate "dead spots" and achieve optimal deburring.
- Higher filament-to-part contact increases part throughput for maximum productivity.
- Compact footprint of 113"L x 75"W x 88"H occupies less floor space and requires only one operator to load and unload.
- Automatic brush wear compensation with on screen monitoring.
- Allows operator to change full brush set in only a few minutes.
- System can be programmed according to customer drawings/drawing numbers.
- Provides broad coverage of error-event safeguards.
- Provides ease of maintenance, and ensures best service life in wet process systems.

\* *Proprietary Abtex "Intelligent Compensation" program automatically adjusts motors to proper depth of interference.*

**Abtex**  
Corporation

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# A Look Inside This Tri-Ten



Only a single operator is needed to load and unload parts.



A reservoir and filtration system at the rear of the system continuously circulates coolant.



As parts move through the three planetary head brushes on a magnetized conveyor, they are bathed with a spray of coolant to cool the parts and extend brush life.



On the far conveyor, the finished part has passed under a final coolant rinse, an air knife blow-off and demagnetizer before exiting.



The part on the right is entering the continuous parts turnover conveyor where it is flipped so the other side can be deburred on the return trip.

The part in this picture exits the turnover conveyor on a slide transition. In the picture at left, the part exits on a powered transition conveyor.



For non-ferrous parts, Tri-Ten Systems can be designed using alternate part fixturing

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