

Tri-Ten Series

Deburs both sides of a flat workpiece in a single pass without flipping



Features

- Planetary head's random brushing action results in more thorough deburring than single brushes or other planetary heads that use smaller brushes.
- Brush and turret speeds are independently and infinitely variable.
- Tri-Ten head's three 10" brushes provide for acceptable results at increased belt speeds.
- Automatic brush wear compensation via motor load feedback monitoring.*
- Quick-Change brush mounts.
- Programmable part height adjustment.
- Extensively alarmed as suited to the specific application involved (Upwards of 40 events).
- Slide-out lower planetary head assembly.
- All motors and electrical components are mounted outside outside process cabinet.
- Additional wet process features:
 - Redundant Viton seals.
 - Full-length drip tray across front of machine.

Benefits

- Significantly higher filament to part contact than with traditional heads.
- Ratio can be adjusted to eliminate "dead spots" and achieve optimal deburring.
- Increased parts per hour throughput for maximum productivity.
- Provides constant and recorded readings for brush penetration control, which maximizes brush life.
- 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.
- Easy maintenance access.
- Provides ease of maintenance, and ensures best service life in wet process systems.

* Uses fully electrical, "Intelligent Compensation" to automatically adjust motors to proper Depth Of Interference.

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Corporation

PO Box 188 • 89 Main Street • Dresden, NY 14441
315-536-7403 • Fax: 315-536-0280 • www.abtex.com

A Look Inside The Tri-Ten

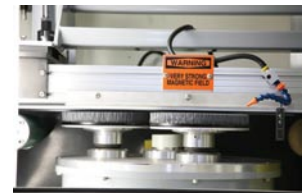


The first conveyor carries parts under the first planetary head to deburr the top surface.

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



A magnetized overhead conveyor picks up the part and carries it over the second planetary head to deburr the bottom surface.



A third conveyor passes the part through a degausser that demagnetizes it.

During each step of the process, parts are bathed in coolant from the orange nozzles.



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

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