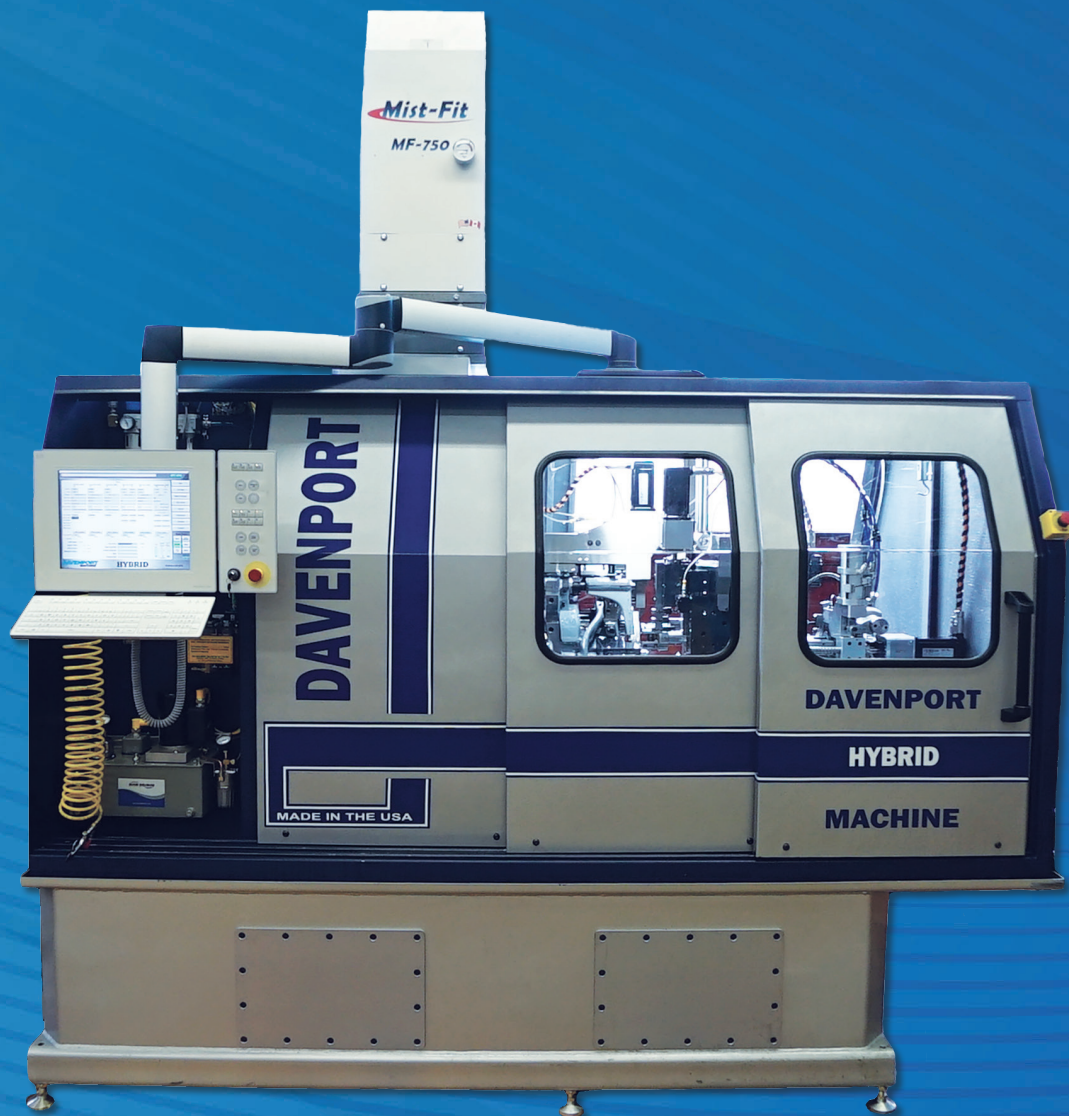




Advanced Design

HYBRID

Legendary Davenport Speed



Experience the HYBRID Advantage

Legendary Speed | Operator Friendly | Best-In-Class ROI



**DAVENPORT
MACHINE**

Proudly Building Machines in America for More Than 100 Years

Can you make these on your Davenport?

- Angular trepan grooves
- +/- .0003" lengths
- 10 RMS seal faces
- Aerospace Alloys / A286
- Single point threading
- Polygon generation

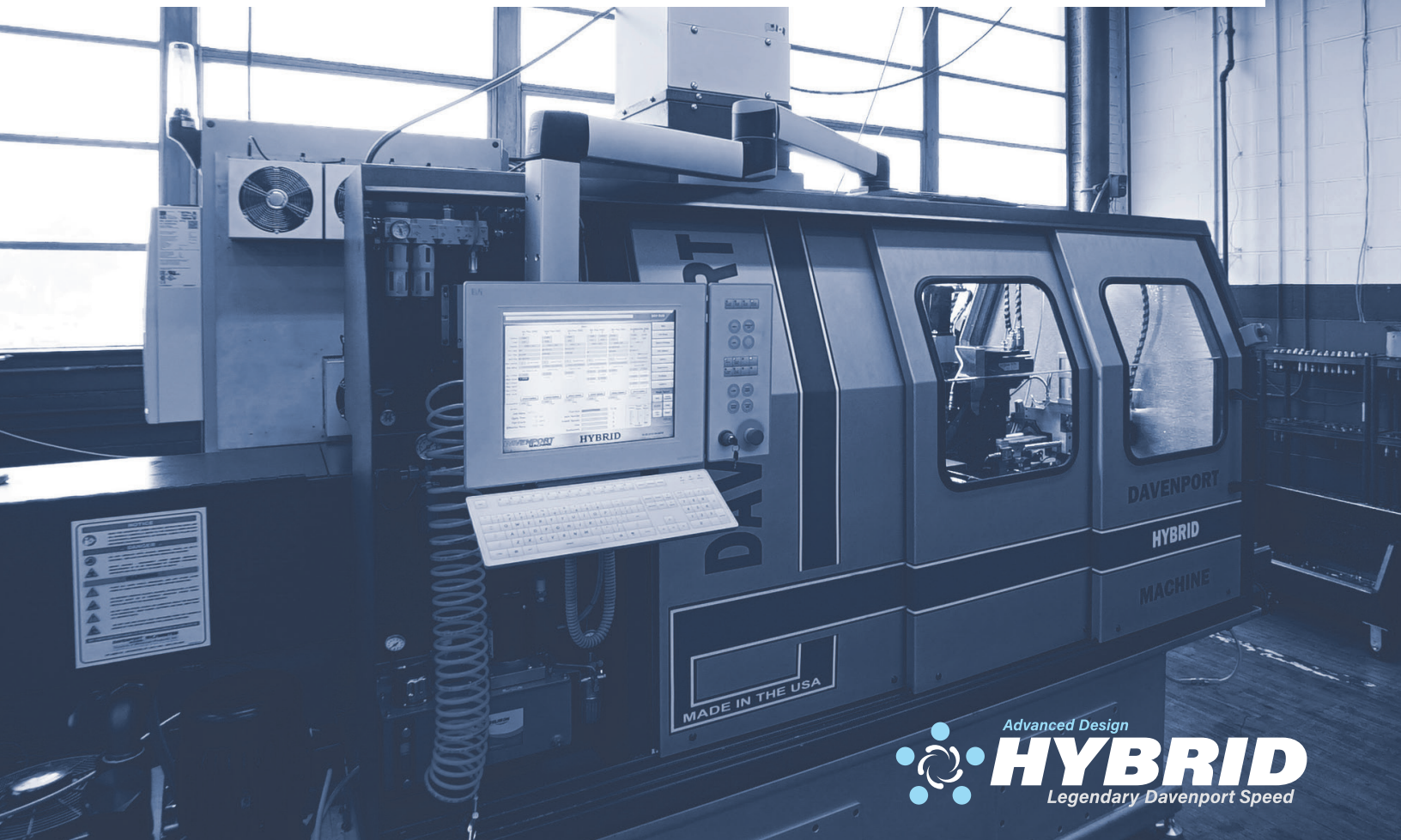


- **Super** Precision
- **Greater** Flexibility
- **Easier** Setups
- **Faster** Cycle Times
- **Operator Friendly** CNC Interface

**Increased
Efficiency**



**Superior
ROI**



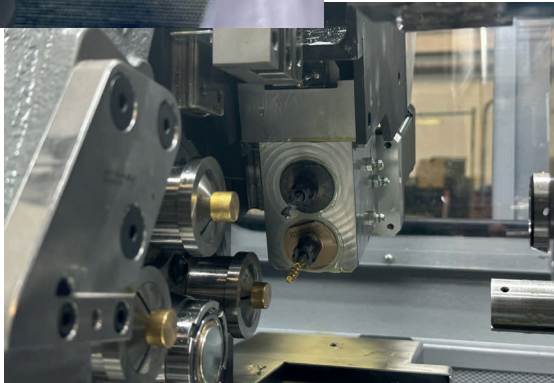
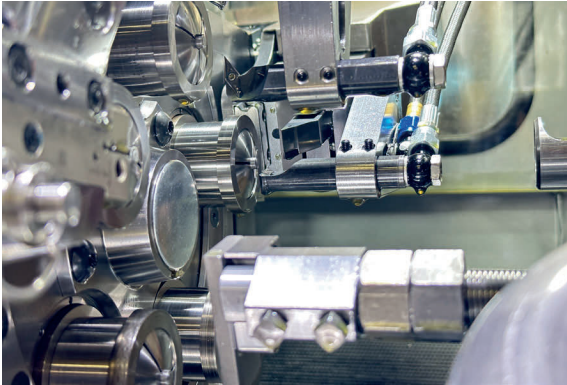
Advanced Design
HYBRID
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Latest Updates



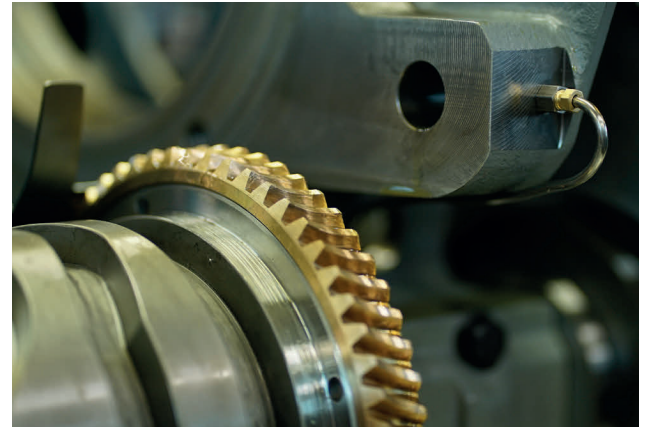
3rd Position Slide Configurations

- Traditional Swing Arm
- 2 Axis Contouring Slide
- 3 Axis Multi-Purpose Slide
- From thread rolling to profile turning or complex milling, our new configuration options give you the ability to meet all your machining needs



Enhanced Gear Design

- Significantly reduced machine noise
- Smoother gear mesh
- Less vibration
- Improved performance!



New Control Options

Davenport now offers FANUC as a control & motor option for the Hybrid Machine!

Precise. Fast. Reliable.



IEMCA NEXT 25 Bar Loader

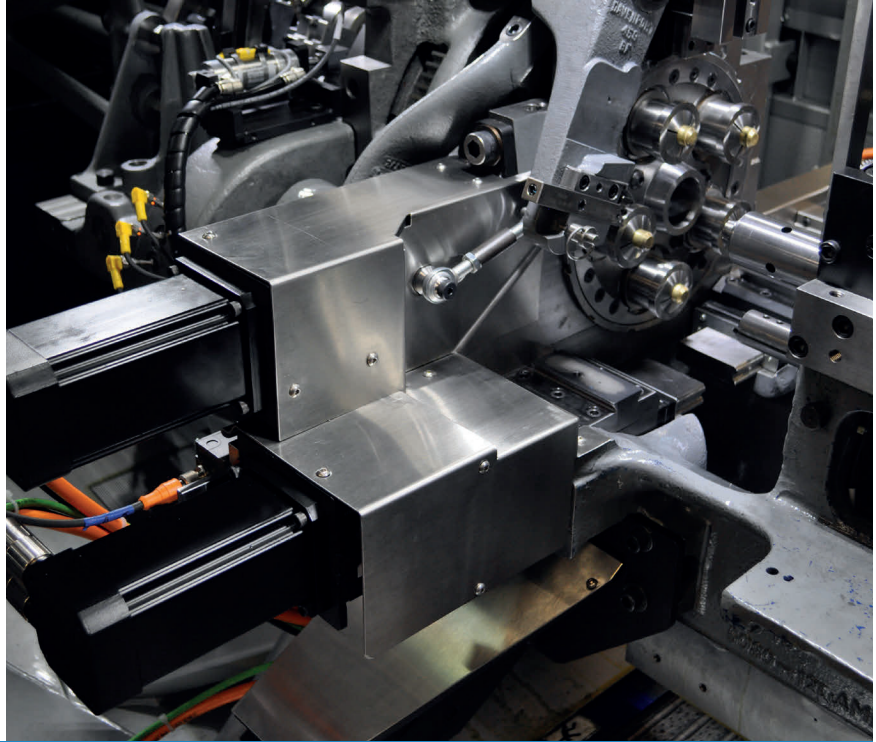
- Equip the IEMCA NEXT 25 Bar Loader to your Hybrid and realize significant productivity enhancements
- Longer continuous machining
- More parts out the door
- Compatible with both Davenport HP and Model B Machines



**Quietest & Most Productive
Davenport EVER**

1st, 2nd and 5th Position CNC Driven Slides

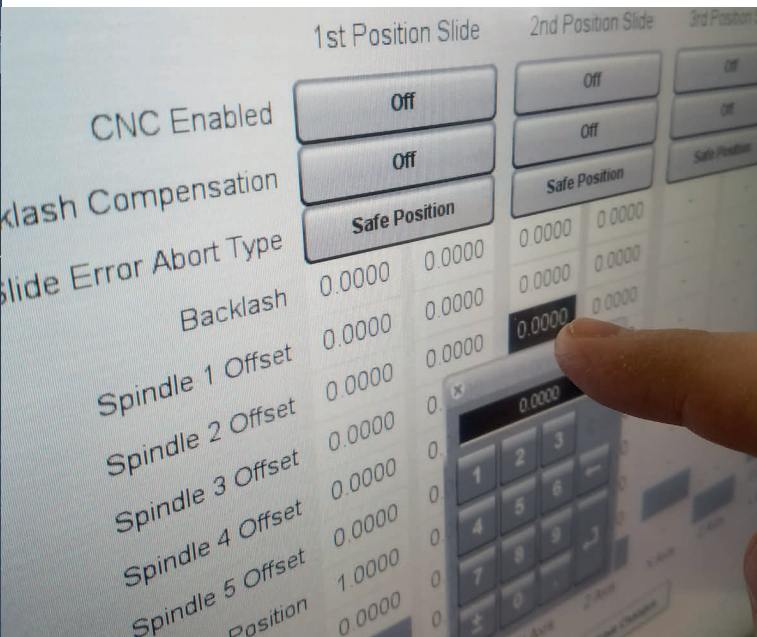
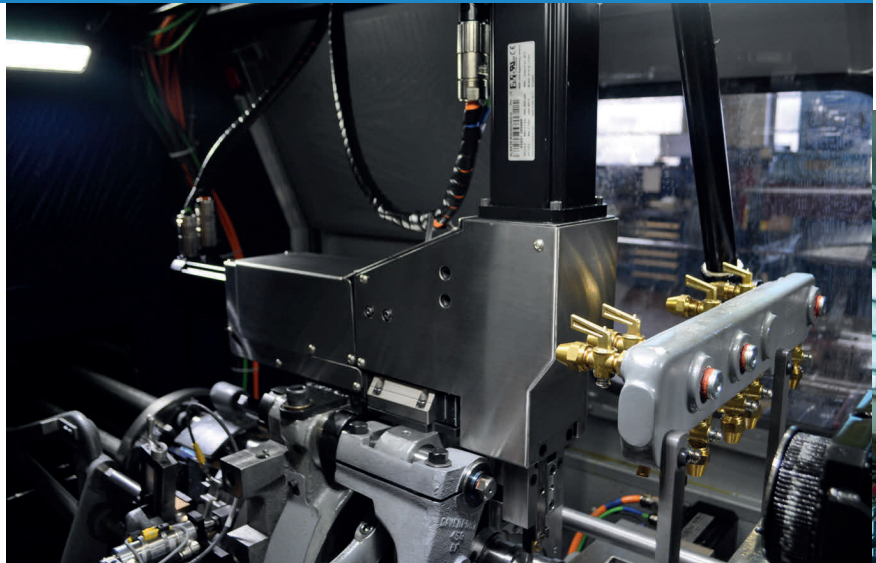
- Slides on linear rails
- Servo driven ball-screws
- No cams or linkages
- Independent tool offsets for each tool and spindle
- Improved rigidity
- CNC controlled cut off tool; chip breaks, dwells & variable feedrates
- No CAMS or turnbuckles



Resulting in SUPERIOR slide axis repeatability... .000050"!

4th Position 2-AXIS CNC Slide

- Single point turning
- Single point threading
- Full 2D profiling, chamfer, radii and angle
- Angular undercuts
- Boring bar holders for complex internal undercuts and contours
- Multi-tool holders for OD/ID work combos

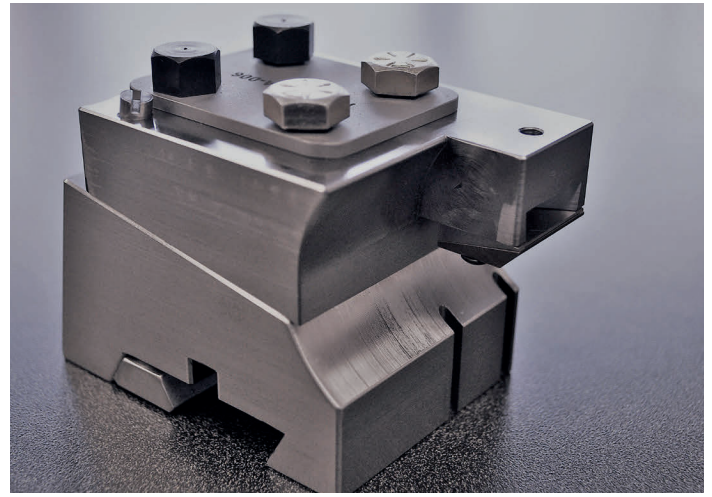


Independent Spindle Size Compensation

- Each spindle can be electronically adjusted for size INDEPENDENTLY
- Part size can be adjusted digitally in .0001" increments for any spindle
- "One Touch" tool wear size adjustment changes part size for all 5 spindles
- Unparalleled accuracy and repeatability

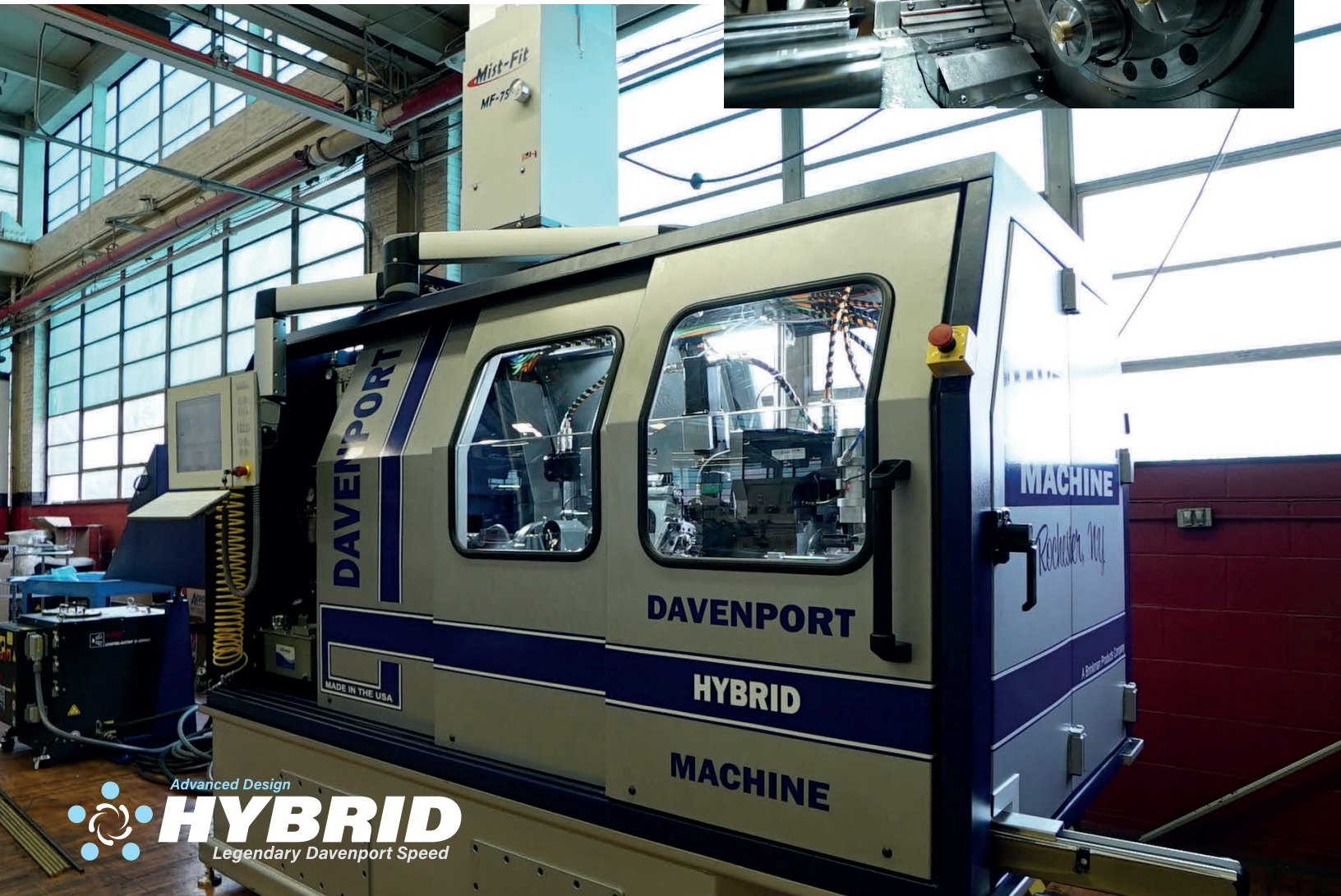
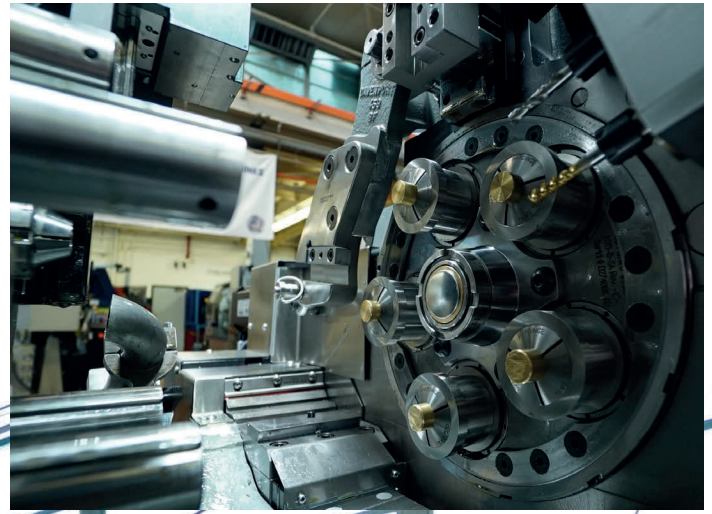
Enhanced Tool Holders

- First and second position rigid mounting dovetail interface
- Fully adjustable center height and taper
- Adjustable stop for tool positioning
- All positions are high pressure coolant ready
- Carbide inserts for form, skive and profiling



Revolving Head On Bearings

- Revolving head is mounted on preloaded angular contact ball bearings
- Higher accuracy, consistent spindle positioning
- No thrust ring adjustments
- No end play
- Better length control
- Reduced friction and wear for longer machine life
- Faster index times



Optional for most. Standard for Hybrid.

STANDARD FEATURES

- High Pressure Coolant
- Chip Conveyor
- Mist Collection
- Fire Suppression
- Part Chute
- Heat Exchanger

HYBRID SOLUTIONS

- Our Hybrid Solutions Team is Here to Help
- Training & Support
- Custom Tool Design and Production
- Part Layout Assist

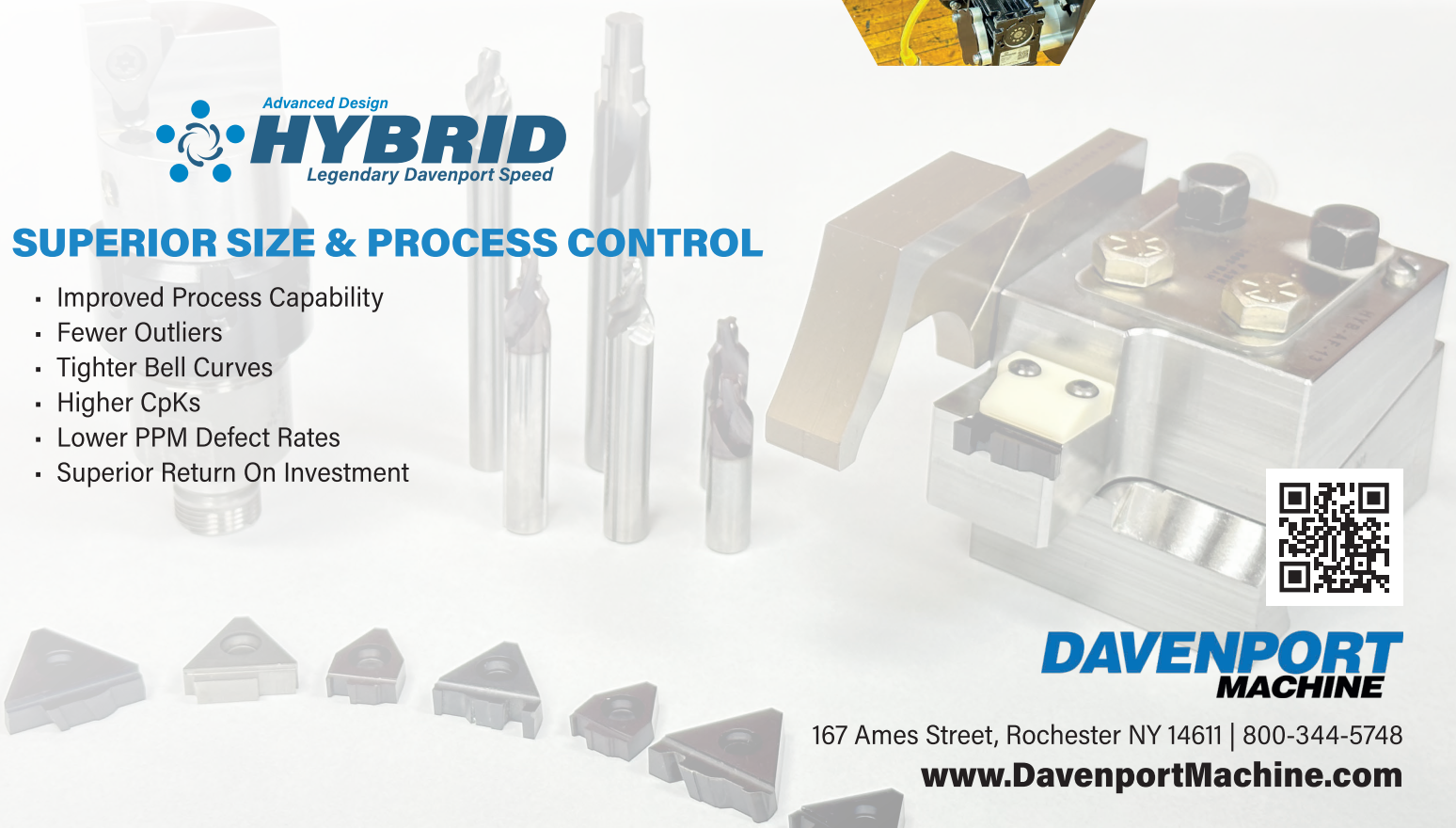


Optional accessories
for most machines
come **standard**
on a Hybrid!



SUPERIOR SIZE & PROCESS CONTROL

- Improved Process Capability
- Fewer Outliers
- Tighter Bell Curves
- Higher CpKs
- Lower PPM Defect Rates
- Superior Return On Investment



**DAVENPORT
MACHINE**

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