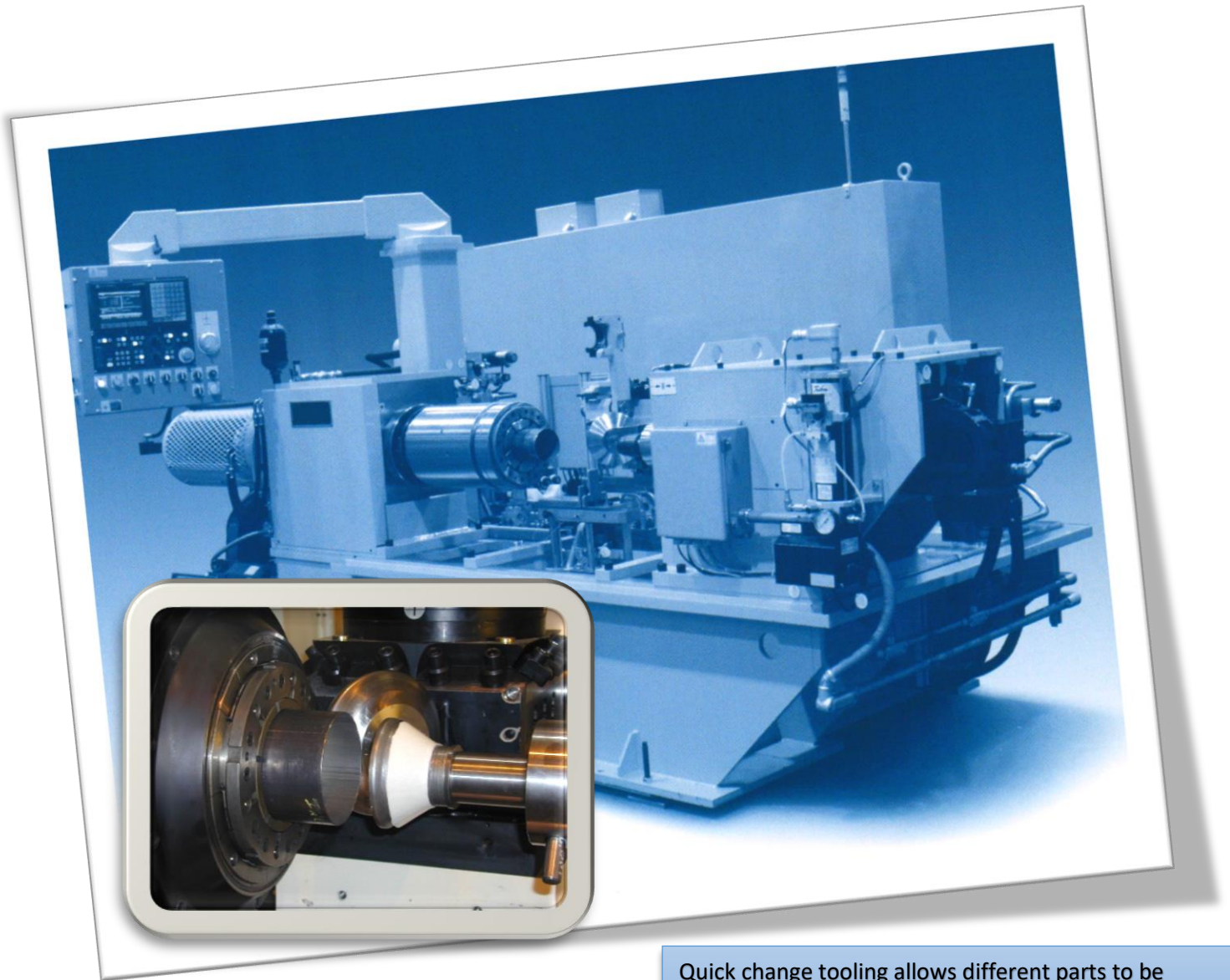


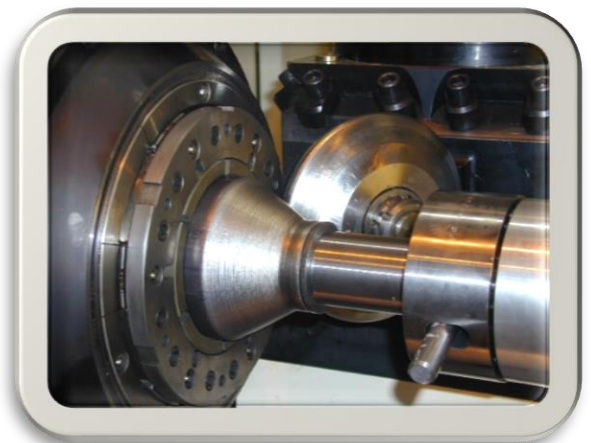
G GROTNES | SPINFORMERS



Quick change tooling allows different parts to be produced on the same machine.

PRODUCTION PROVEN

As a leader in metal forming technologies, Grotnes continues to develop new, innovative features for its line of concentric spinforming machines. The ability to produce chipless formed parts makes Grotnes spinformers ideal for automotive, consumer products, general industrial, lighting and military applications. Repeatable and precise CNC controls the process for materials such as steel, stainless steel, aluminum, copper, and brass, as well as exotic alloys. From simple, manually operated machines to fully integrated, automated flexible manufacturing cells and high-volume production lines, Grotnes spinformers are production proven.



SPECIFICATIONS

Machine Model	2440	4246
Configuration	Horizontal	Horizontal
Maximum Part Diameter (in.)	6	8/10
Number of Forming Rolls	1	1
Slide		
Number of Axes	3/4*	3/4*
Slide Force (lbs. max)	8,000	12,500
Slide Velocity (IPM max.)	400/500	400/500
Axial Slide Travel (in. max.)	18	26
Radial Slide Travel (in. max)	12	12
Type of Feedback	Glass Scale	Glass Scale
Spindle		
Spindle Nose	Din11	Din11
Spindle Horsepower	50	50
Rate Spindle Speed (rpm)	2,000	2000
Type of Spindle Drive	Belt Driven	Belt Driven
Tailstock		
Tailstock Travel (in. max.)	16	19
Tailstock Force (lbs. max.)	8,000	8,000
Hydraulic		
Hydraulic Drive (hp)	30	40
Type of Control	CNC	CNC

* *Optional*

FEATURES

- Modular designed cells (reconfigurable)
- Green Hydraulic Systems or all electric
- Automatic material handling systems (robots, conveyors, hard automation)
- CNC process control
- Real-time split tube detection (safely shuts down cycle if a wall failure is detected)
- Flexible collet-style chuck
- Quick change tooling
- Net shape length control (eliminates trimming)
- Compact footprint
- Vision system check station
- Laser diameter verification

FOR CATALYTIC CONVERTERS

- Also available, automated canning systems
- Converter component inspect/reject station
- Automatic inner cone insert/spin system



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