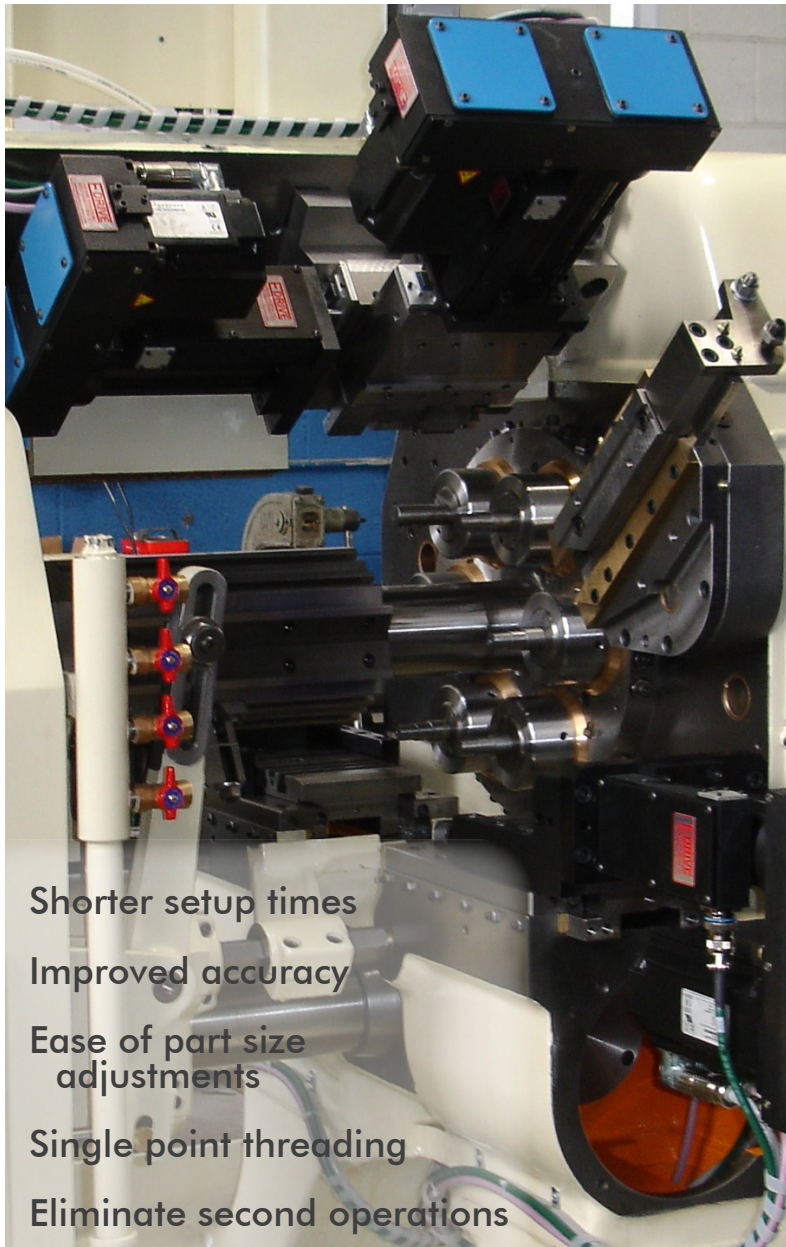


PMC 9 CNC

MULTI-SPINDLE LATHE

PMC 9 CNC ADDS FLEXIBILITY TO THE HIGH PRODUCTION CAPABILITY OF A MULTI-SPINDLE MACHINE



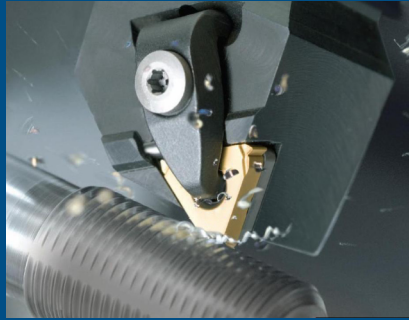
- Shorter setup times
- Improved accuracy
- Ease of part size adjustments
- Single point threading
- Eliminate second operations
- Eliminate special tooling

- Touchscreen interface
- Dedicated pushbuttons for main start/stop and feed on/off
- 16 customizable buttons
- Various mounting options
- USB interface for part program transfer
- Manual pulse generator for precision axis positioning during job setup



2-AXIS CNC CONTROL, 2-AXIS INTERPOLATION, THREADING

- single point, multi-pass threading
- tapered threads
- multi-start threading
- canned cycle programming of threads
- 2-axis linear, circular contouring (M,G code format)
- tool nose radius compensation



INDUSTRIAL PC

MOTION CONTROLLER

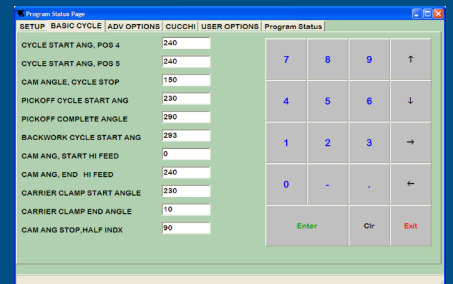


FEED ENCODER

Absolute position tracking of main feed cam

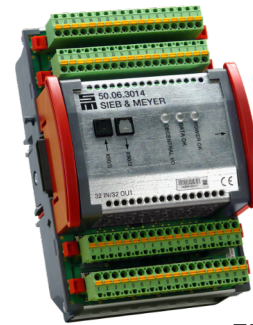
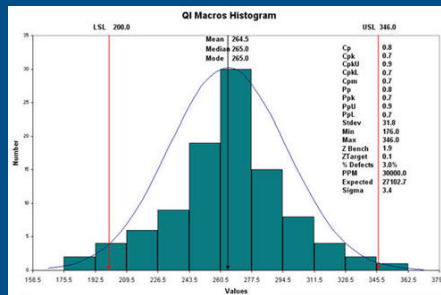
PROGRAMMABLE LOGIC CONTROL

- chip conveyor, coolant control
- programmable angle for pickoff collet control
- stock depletion check
- interface to broken tool detection devices
- programmable cycle stop angle
- tapping switch interface

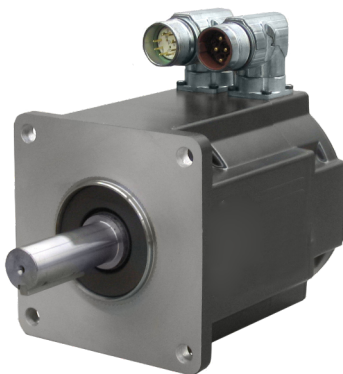


PART SIZE CONTROL

- servo motor gives CNC repeatability
- spindle carrier error compensation
- thermal growth compensation
- tool length offsets
- tool wear offsets (adjust size on the fly)
- post process gage interface to adjust size



FIBER OPTIC I/O LINK
24 VDC Digital
+/- 10 VDC Analog

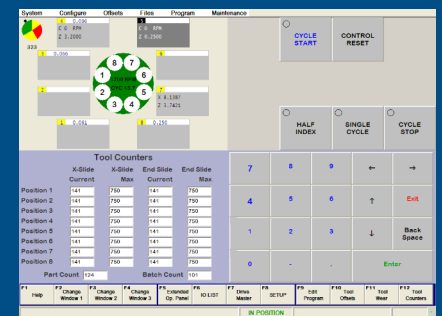


BRUSHLESS SERVOS

Sealed for harsh environment

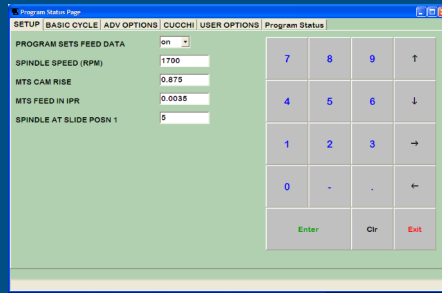
OTHER FEATURES

- CNC single axis control (end slide or cross slide oriented)
- tool counters for all slide positions (manual or CNC)
- part and batch counters
- remote diagnostics capability
- wide variety of configurations available



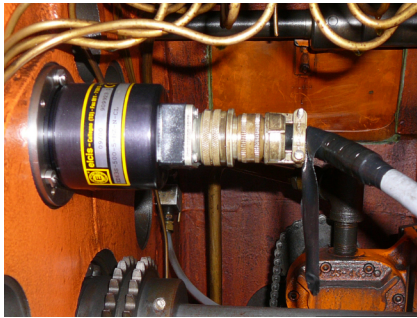
SERVO FEED, VARIABLE SPINDLE SPEED

- separate motor control of spindle and feed: no gears
- variable spindle speed
- programmable feedrate of high/low feed cam
- programmable cam angle for high point and low point
- servo handwheel control of feed for manual part setup



REMOTE PENDANT

Small pendant option without touchscreen display

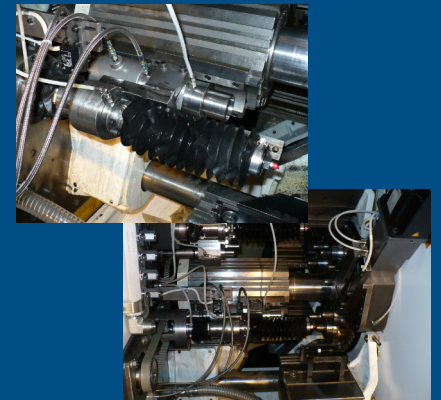


SPINDLE ENCODER

Synchronize part pickoff
Single point threading

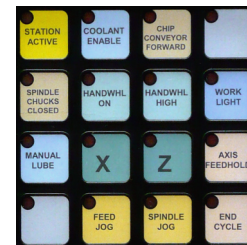
SERVO PICKOFF, CNC BACKFINISH

- servo control of pickoff axis
- servo control cross slide allows 2-axis backfinishing
- servo control of pickoff rotation for variable speed
- 'stop & drop' control of part release



NETWORK CONTROL TO FACTORY HOST COMPUTER

- data collection of machine cycle times
- error reporting to host computer
- download part program over network
- remote diagnostics



OPERATOR INTERFACE ACCESSORIES

Hardware devices configured to meet the application

SERVO DRIVES - FULL DIGITAL DESIGN - FIBER OPTIC INTERFACE



SD2 - 480VAC applications



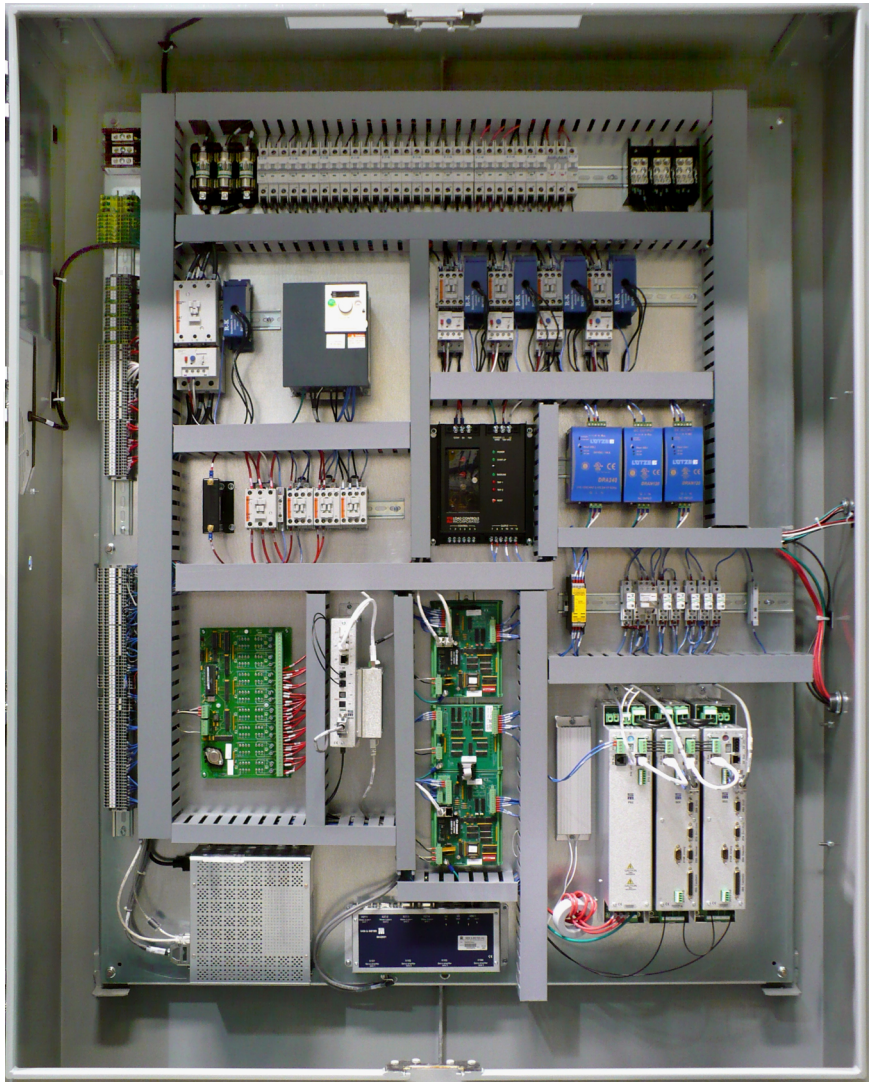
SD2S - 230VAC applications

ELECTRICAL INTEGRATION

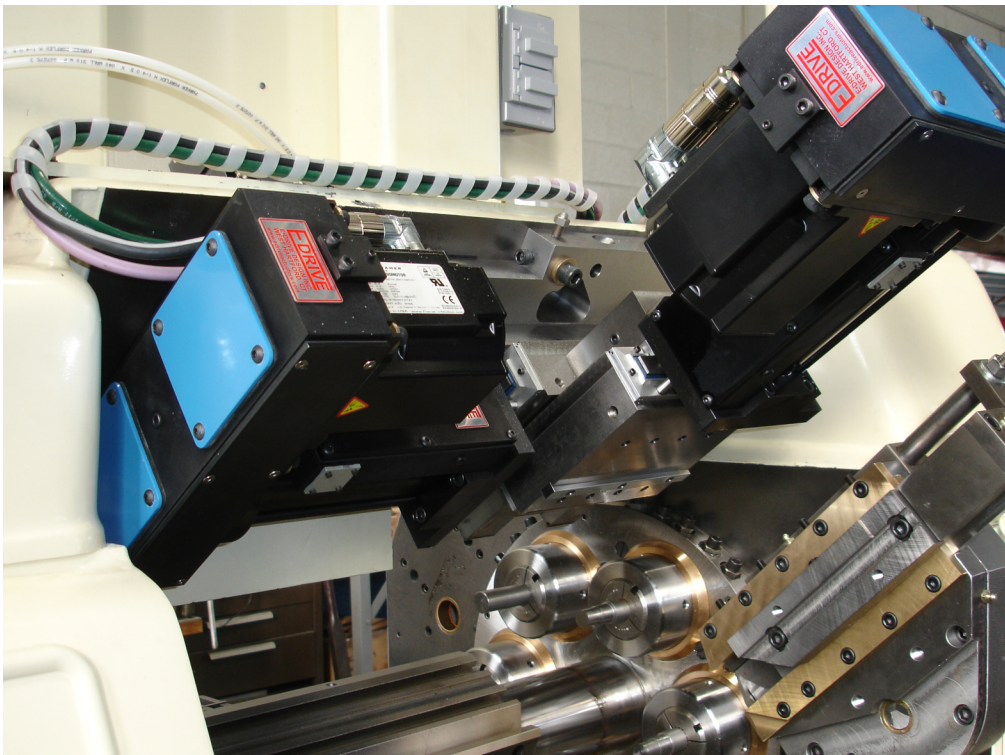
PROVEN MULTI-SPINDLE
CONTROL SOFTWARE

ON-SITE INSTALLATION

COMPLETE SERVICE AND
SUPPORT



*SIEB & MEYER
HAS BEEN
RETROFITTING
MULTI-SPINDLES FOR
OVER 20 YEARS*



2-AXIS SLIDE ASSEMBLIES

- Totally sealed ballscrew in a linear actuator
- Box-way slides designed for heavy cuts
- Slide lubrication system

1-AXIS SLIDE ASSEMBLIES
also available

