



WORLDWIDE PATENTS

EPOCH™ SPECIFICATIONS

GENERAL CHARACTERISTICS

Electrical Requirements	220-240V / 20 Amps / 1 Phase / 50/60 Hz
Pneumatic Requirements	Min 6 Bars (90 PSI) / 24 cfm
Hydraulic Unit	200 Bars (2,900 PSI)
Spindle Motor	5 HP AC Servo
Spindle Rotation Speed	5-4,500 RPM
Cutting Strategies	5
Bi-Directional Cutting	Yes
Targeted Spindle Speed	Yes
Machine Shell with Computer Controlled Automatic Doors	No
Coolant w/Fixed Collection System, Y-Axis Mount & Command Override	No
Number of CNC Axes (See Reverse)	4
Numerical Controls	NEWEN®
Software	NEWEN®
Z-Axis, Machine Head Travel Mechanism	Pantograph™ System w/Hydraulic Lock
Transmission Clutch System (For Optimal Centering)	Yes
Machining Spindle Tilt (Rotation)	6 Degrees
X-Axis, Auto Centering Capacity	12mm (0.47")
Y-Axis, Auto Centering Capacity	12mm (0.47")
Y'-Axis, Machine Parallels	Linear Ways X 3, Pneumatic Lock
Warranty Against Manufacturing Defects (As Per General Conditions of Sales)	1 Year
Training	Inquire with your Local Distributor

CAPACITY

X-Axis, Machine Head Travel (Max Dist from Guide to Guide W/out Moving Cyl Head)	1,320mm (51.97")
Y-Axis, Machine Head Travel	80mm (3.15")
Z-Axis, Machine Head Travel	327mm (12.87")
Y'-Axis, Machine Parallels Travel	148mm (5.83")
Z'-Axis, Spindle Sheath Travel	95mm (3.74")
X-Axis, Carriage Travel	16.45mm (0.648")
Maximum Profile Length (Profile ID to Profile OD)	32.90mm (1.295")
Maximum Profile Length (Z Axis)	90mm (3.54")
Valve Seat Machining Capacity (Based on Available Tip Holders)	13.50mm-110.00+mm (0.532-4.33+")
Valve Guide Reaming Capacity	Max Dia 16mm, L90mm (3.54")+ w/Option
Combination Valve Guide Reaming/Valve Seat Machining	Yes

PC SPECIFICATIONS

Display Size (Touch Screen)	15"
Network Card	Yes
Floppy Drive	Yes
CD Drive	Yes
USB port	Yes
Operating System	Windows® XP Pro

PROGRAMS

Contour™ (Optimized Single Point Valve Seat Machining)	Yes
Guide (Optimized Valve Guide Reaming)	Yes

CYLINDER HEAD CAPACITY

Maximum Height (based on 210mm length pilot)	380mm (14.96")
Maximum Length	Unlimited
Maximum Width	Approx 500mm (19.69")

MACHINE DIMENSIONS

Maximum Machine Height	2,310mm (90.94")
Maximum Machine Width	2,339mm (92.09")
Maximum Machine Depth	1,508mm (59.37")
Footprint (Width x Depth)	2,339mm x 1,509mm (92.09" x 59.37")
Net Weight	1450 Kg (3190 Lbs)

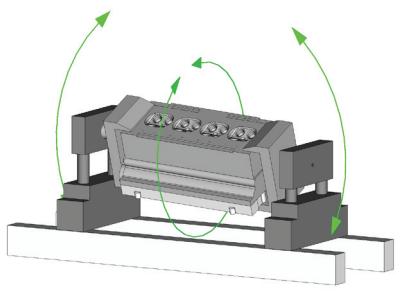
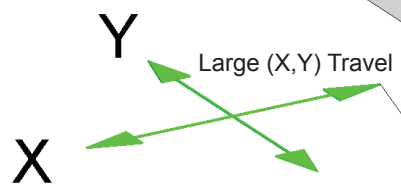
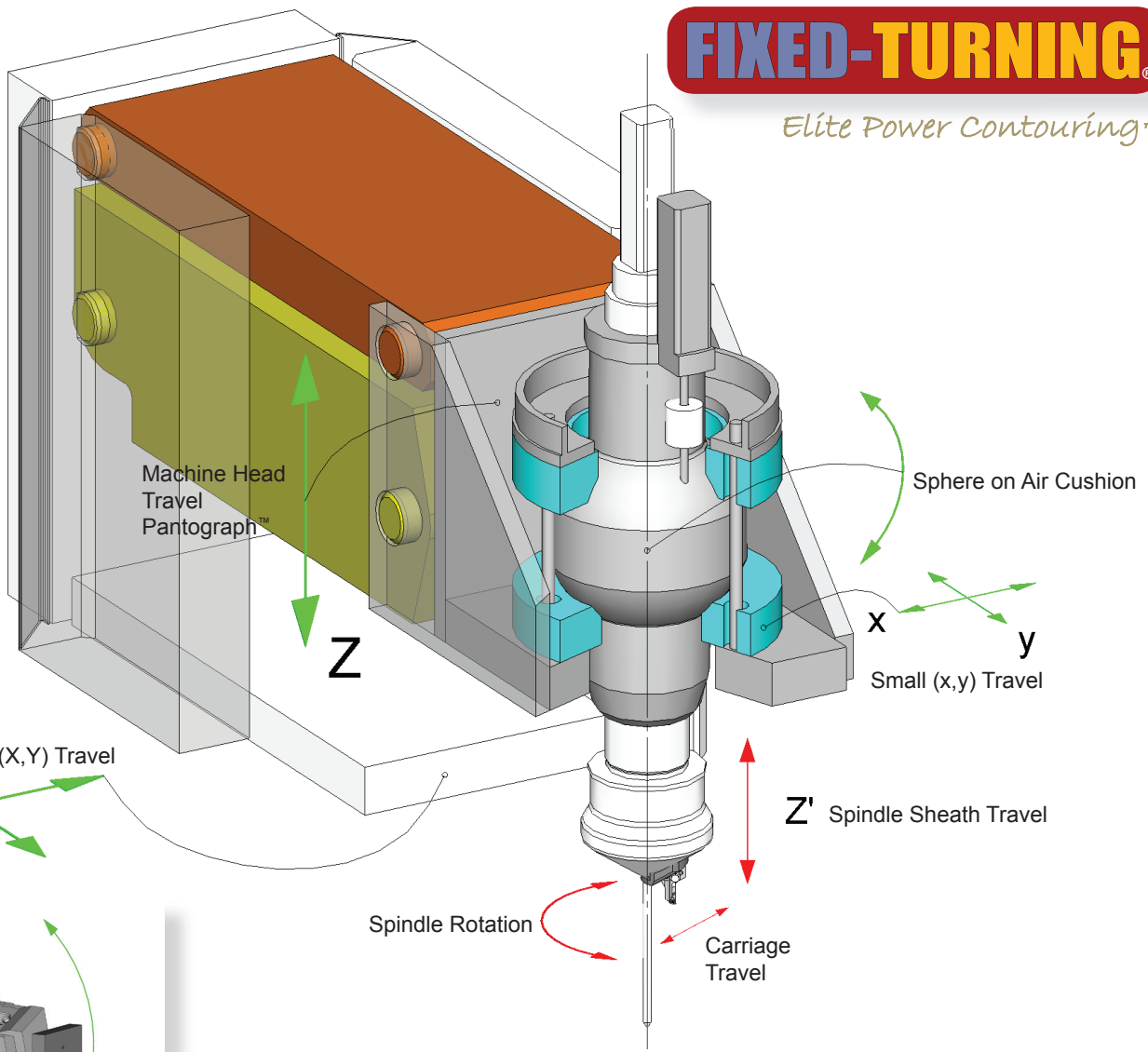
CRATE DIMENSIONS

Height ↑	2,240mm (88.19")
Width ↔	1,950mm (76.77")
Depth ↗↘	1,440mm (56.69")
Gross Weight	1660 Kg (3,652 Lbs)

FIXED-TURNING®

Elite Power Contouring™

- All NEWEN®
FIXED-TURNING®
Machines Feature:
- Thermal Dynamic Compensation
 - ARDC™, Automatic Repetitive Depth Control
 - HEPTAX™ Spindle
 - Venturi Profile Ability
 - Dynamically Balanced Spindle
 - Pressurized Machine Head (Spindle)



SGC200M (option)
Palletizable™, double-angle,
360° rollover clamping fixture.

■ Assisted Travel
■ Numerically Controlled Travel



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