

### KUM 400

#### STANDARD FEATURES

- Metric or inch calibrations
- Flood coolant system
- Guide way covers (2) X-axis
- Milling safety guard
- Horizontal arbor
- Arbor support (2)
- Electrical, 380, 415, 480V, 3 ph, 50, 60 Hz
- Controls, 24 volts
- Power drawbar with safety interlock
- Solid state PC logic – Siemens Controls
- Piezoelectrical pendant control of 3 axis
- Electromagnetic reversing clutch drives
- Feeds and rapid travel in 3 axis
- Automatic hydraulic backlash eliminator
- Adjustable cam controls
- Hardened square ways – knee and column
- Saddle cross and knee vertical guideways have sliding plastic coating
- Feed drive shaft on end of saddle for rotary table, indexer and rack attachment

#### MODELS

- **KUM 400**  
- 400x1600mm (15.7x62.9 in) working surface
- **KUM 450**  
- 450x1800mm (17.7x70.9 in) working surface

KUM 400x1600 machine



#### OPTIONAL EQUIPMENT

- Vertical milling attachment ApSII - 50 taper
- Universal milling attachment ApU-II - 40 taper
- DRO Digital Readout Systems
- Power driven rotary table D315 with ApAR-III drive unit
- Universal dividing head ApTU-135-1 with longitudinal screw drive coupling
- Rack indexing attachment ApTZ-II

#### AUTOMATIC CONTROL CYCLES (3 axis-2 axis consecutively)

- Intermittent feed milling
- Longitudinal and cross frame milling XY
- Longitudinal and vertical frame milling XZ
- Reciprocal milling
- Cross and vertical frame milling YZ
- Automatic RISE and FALL of KNEE by 0.7 mm to clear cutter in rapid travel