

<p>Machining units (BAE)</p> <p>in comparison</p> <p>Rating scale:</p> <p>bad, not appropriate medium, appropriate very good</p>					
	BAE10k approx. 800W Kress Universal Motor	BAE31 approx. 800W 3-Phase current sp.	BAE20 approx. 170W High Frequency sp.	BAE50 approx. 200W C-Axis, StepperMotor	BAE55 approx. 400W HighPowerC, ServoM.
Characteristics: Extraction device is provided with all types, but not always depicted.	Simple, LowCost, not for industrial continuous prod.	Powerful, solid, partly controllable and silent.	High precision, hoch speed and partly controllable.	Compl.controllable, very silent, for low power only.	Compl.controllable, dynamic and powerful - Top
Range of applications					
Continuous production					
Speed range					
Torque low speed					
Torque high speed					
Scope of applications					
Milling application > 3mm					
Milling application <0.8mm					
Engraving, Insolation mill.					
Screw tap use					
Precision, concentricity					
Software control					
Revs					
Sense of rotation					
Angle of rotation					
Rotation monitoring					
Simult. Axis movement					
Operational data					
Power, Machining power					
Fast emergency stop					
Low noise (without machining)					
Stability, load					
Low weight					
Low operating costs Price, efficiency, maintenance, rep., air..					
Particularities					
Modifications for extra charge, speed range, SW...					
Automatic Toolchanger	Not possible	Possible to a certain degree	With same shaft diameters	Possible to a certain degree	With universal tool holders
Remarks concerning automatic tool changer	Leads to an unrealistic construction and needs too much space.	There are 3-phase current spindles with tool changing device, they are too large for KOSYStandard.	 BAE25/26 170W/450W	Possible as with BAE56v, but only for small torques and low speeds.	 BAE56v