

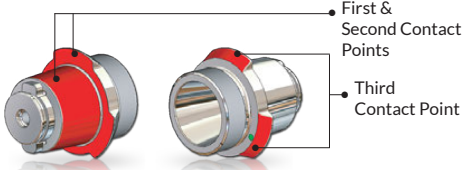
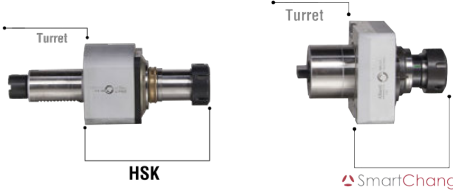
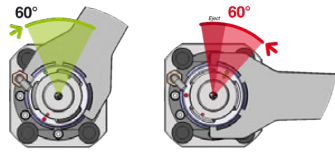





SMART CHANGE SYSTEM

New from Alberti, a complete range of live tools with interchangeable adapters for Okuma are now available in stock. The  SmartChange System units have a standard profile with **no additional projection** to reduce the chance of interference with the machine's enclosures. Alberti's patent pending design creates **three points of contact** between the driven tool holder body and tool holder output surfaces so there is no compromise in concentricity and rigidity to gain the speed and convenience of quick-change tooling. With the  SmartChange System one set of live tools can always stay in the machine with only the adapters needing to be changed. This provides **improved efficiency and flexibility**, plus a reduction in overall tooling costs.


QUICK, EASY & PRECISE

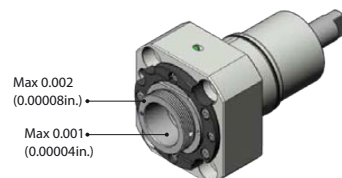
Triple Contact System	Low Profile	How It Works
 <p>First & Second Contact Points Third Contact Point</p> <p>This system incorporates a triple contact support between the body and adapter for extreme rigidity and accuracy.</p>	 <p>Turret Turret</p> <p>HSK SmartChange</p>	 <p>60° 60°</p> <p>Clamping Un-Clamping</p>

The patent pending Alberti  SmartChange collet clamp & wrench system quickly and precisely locks the quick change adapter, reducing tool cutter changing time to a minimum.

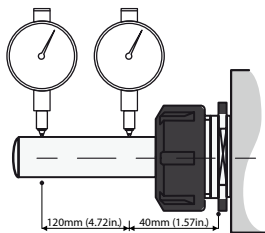
HIGHEST ACCURACY & REPEATABILITY

Run-Out of the Collet Chuck with Adapter Mounted Repeatability	0.006 μm
Adapter Change Time	20 seconds
Repeatability	0.003mm (0.0001 in.)

Run Out with  SmartChange System



Accuracy with Gauge Bar Inserted in the Collet Chuck



Accuracy with Gauge Bar Inserted in the Collet Chuck	at 40mm = 0.008mm (1.57in. = 0.0003in.)
	at 120mm = 0.01mm (4.72in. = 0.0004in.)



ER Collet Chuck



Weldon Output



Shell Mill Output



 **Alberti**
 SmartChange
TOOL SYSTEM



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