



# KOMMA

 **Alberti**  
**LIVE TOOLS**  
With  **SmartChange**



Nakamura-Tome





## KOMA PRECISION

For over thirty years Koma Precision has been the foremost source for the finest the world has to offer in machine tool Productivity Innovation.

With over 30,000 rotary table installations, Koma is the largest distributor of Tsudakoma NC rotary tables and indexers in the world. With over 12,000 angle heads and live tools installed, Koma is the world's largest supplier for Alberti - the originator and the foremost innovator of productivity tooling.





# SMART CHANGE SYSTEM

## 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

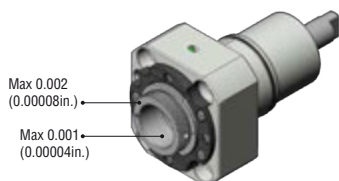
Triple Contact System	Low Profile	How It Works
<p>This system incorporates a triple contact support between the body and adapter for extreme rigidity and accuracy.</p>	<p>HSK</p> <p>SmartChange</p>	<p>Clamping</p> <p>Un-Clamping</p>

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.

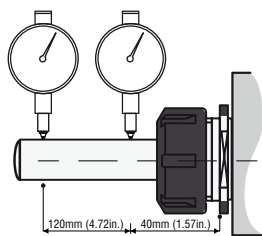
## HIGHEST ACCURACY & REPEATABILITY

Run-Out of the Collet Chuck with Adapter Mounted Repeatability	0.006 $\mu$ m
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



WT-100



## CROSS DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM	Price
C26330-SC	Standard	GH-66586-00	SC2*	-	8,000	
C26330C-SC	Coolant Thru	GH-66635-00	SC2*	-	8,000	



## FACE DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM	Price
C26333-SC	Standard	GH-66587-00	SC2*	25.1	8,000	
C26333C-SC	Coolant Thru	GH-66637-00	SC2*	25.1	8,000	
A26333-SC	Extended Length	GH-66980-00	SC2*	25.1	8,000	

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

\* SC2 Adapter not included. Output must be purchased separately.

\* Each tool comes standard with an ER SmartChange Adapter, a Main Spindle Anti-Rotation Wrench & a Long Handle Wrench for Lock / Unlock Nut. For additional adapters & accessories, see below.



WY-150



## CROSS DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM	Price
KZ-1510	Standard	GH-41510-13	SC2*	-	6,000	
KZ-1510 C	Coolant Thru	GH-41510-14	SC2*	-	6,000	



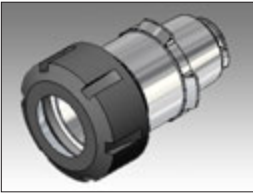
## FACE DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM	Price
KZ-1513	Standard	GH-41513-20	SC2*	25.1	6,000	
KZ-1513C	Coolant Thru	GH-41513-22	SC2*	25.1	6,000	

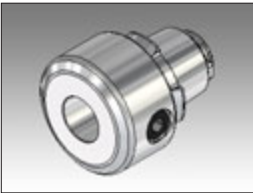
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm



## ADDITIONAL ADAPTERS



ER COLLETS		
Size	List Price	
ER-20		SC2-ER20
ER-25		SC2-ER25
ER-32		SC2-ER32



WELDON OUTPUTS		
Size	List Price	
1/4"		SC2-.250
3/8"		SC2-.375
1/2"		SC2-.500
5/8"		SC2-.625



SHELL MILL ARBORS		
Size	List Price	
3/4"		SC2-SM.750

## MEASURING FIXTURES



SMART CHANGE TOOL POT		
Size	List Price	
40 Taper		GP-56661-00
50 Taper		GP-56548-00



HOLDING FIXTURE	
List Price	
	GP-56968-00

Note: Holding fixture does not include adapter and wrench.



Alberti-Nakamura Live SC 19.0 1/14/19



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