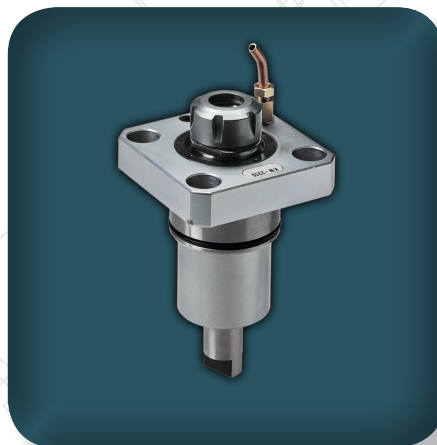




# Alberti

## LIVE TOOLS

**SMEC SAMSUNG  
MACHINE TOOLS**



20 Thompson Rd | East Windsor | CT 06088

1.800.249.5662 | 860.623.4132 Fax

[www.komaprecision.com](http://www.komaprecision.com) | [info@komaprecision.com](mailto:info@komaprecision.com)


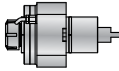
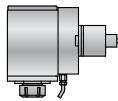
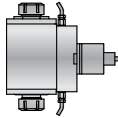
**SMEC SAMSUNG  
MACHINE TOOLS****Alberti Lathe Tooling**

Turn your Samsung Lathe into an ultimate performance profit center with lathe tooling from **Alberti** and KOMA Precision. With over 12,000 live tools and angle heads installed, KOMA is the world's largest supplier for **Alberti** - the originator and foremost innovator of productivity tooling.


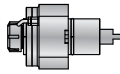
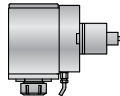
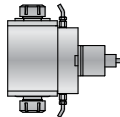
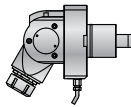


**Alberti** lathe tools are covered by a one year warranty and backed by a KOMA service department with experience and expertise second to none. All **Alberti** tooling service and maintenance is performed in Connecticut. A comprehensive spare parts inventory ensures quick service turnaround.




				STRAIGHT TOOLS	90° TOOLS	DUAL OUTPUT 90° TOOLS
						
Lathe Model	SL-20MC	Standard		GH-44941-00	GH-44943-00	GH-44945-00
			Output	ER-25	ER-25	ER-25
			Nm/ft.lbs.	-	25.1/18.5	25.1/18.5
			RPM	6,000	6,000	6,000
		Coolant Thru		GH-44942-00	GH-44944-00	
			Output	ER-25	ER-25	
			Nm/ft.lbs.	-	25.1/18.5	
			RPM	6,000	6,000	

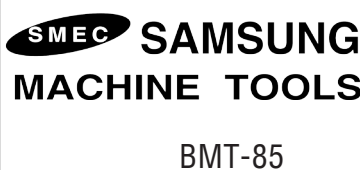
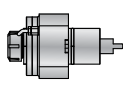
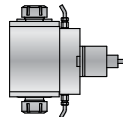
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum

 BMT-65				STRAIGHT TOOLS	90° TOOLS	DUAL OUTPUT 90° TOOLS	ADJUSTABLE TOOLS
Lathe Model	SL-25AMC SL-25ASY SL-25BMC/500 SL-25BMC/1000 SL-25BMC/1500 SL-35BMC/1500	Standard					
				GH-45051-00	GH-45053-00	GH-45055-00	GH-45159-00
			Output	ER-32	ER-32	ER-32	ER-25
			Nm/ft.lbs.	-	45/33.2	45/33.2	45/33.2
			RPM	6,000	6,000	6,000	6,000
		Coolant Thru		GH-45052-00	GH-45054-00		
			Output	ER-32	ER-32		
			Nm/ft.lbs.	-	45/33.2		
			RPM	6,000	6,000		

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

 BMT-75				STRAIGHT TOOLS	90° TOOLS	DUAL OUTPUT 90° TOOLS
Lathe Model	SL-45MC/2200 SL-45MC/2200BB SL-45MC/3000 SL-45MC/3000BB	Standard		GH-44946-00	GH-44948-00	GH-44950-00
			Output	ER-40	ER-40	ER-40
			Nm/ft.lbs.	-	50/37	50/37
		Coolant Thru	RPM	6,000	6,000	6,000
				GH-44947-00	GH-44949-00	
			Output	ER-40	ER-40	
			Nm/ft.lbs.	-	50/37	
			RPM	6,000	6,000	

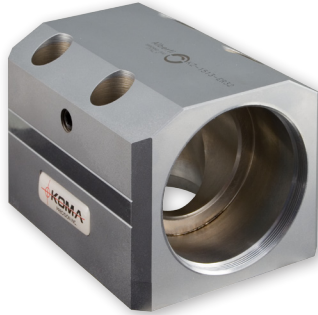
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum

				STRAIGHT TOOLS	DUAL OUTPUT 90° TOOLS
Lathe Model	SL-65MC/3200	Standard			
				<b>GH-44951-00</b>	<b>GH-44953-00</b>
			Output	ER-50	ER-50
		Coolant Thru	Nm/ft.lbs.	-	100/74
			RPM	6,000	6,000
				<b>GH-44952-00</b>	<b>GH-44954-00</b>
			Output	ER-50	ER-50
			Nm/ft.lbs.	-	100/74
			RPM	6,000	6,000

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

## Alberti Tooling Build Features

### Alberti GS 600 Cast Iron Tool Bodies



**MATERIAL: GS 600  
Spheroidal Cast Iron**

GS 600 is the same cast iron as used for the beds of machine tools. GS 600 features a low percentage of carbon, and spheroids are added during casting to provide compact grain structure and enhance the mechanical features of the material.

**GS 600 ADVANTAGES:**

- High tensile strength - 60kg/mm<sup>2</sup> (40% higher than steel, twice that of aluminum).
- High compression strength (absorbs vibration).
- Low thermal expansion (maintains accuracy & bearing pre-loads).
- Excellent dimensional stability (maintains accuracy).

**TOOL BODY FEATURES:**

- Bodies are completely machined inside & outside contributing to uniform weight.
- Bearing housing surfaces are ground.
- Bodies are chromium plated with (2) precision-lapped surfaces parallel to the tool output spindle for accurate alignment.

### Alberti: Gleason Gears



**GEARING MATERIAL -  
ADJUSTABLE ANGLE TOOLS:**

Aerospace/military grade steel with ultimate strength of 300 kg/mm<sup>2</sup>.

**GEARING MATERIAL -  
ALL OTHER MODELS:**

Same steel as in the gears of Formula One race car transmissions with an ultimate strength of 190 kg/mm<sup>2</sup>. (A "good" gear steel has an ultimate strength of 120 kg/mm<sup>2</sup>.)

All bevel gears used are spiral Gleason gears, not spur gears. Gleason gears provide more than one tooth of engagement thereby creating optimized meshing of the teeth, greater power transmission, and reduced noise during operation. Gleason provides the following computerized data computation for each set of gears used in Alberti tools:

- Maximum pitch diameter.
- Ultimate strength of the material.
- Minimum & maximum RPM of the gears.

## Alberti Spindle, Shaft, and Bearings



**TOOL INPUT SHAFTS & OUTPUT SHAFTS**

MATERIAL: 18 NiCrMo5 (Nickel Chrome Moly) with no lead, case hardened and tempered (Certified to ISO9000/9001/9002).

**ADVANTAGES**

Lead increases machinability prior to heat-treating, but reduces strength up to 50%. This is especially important for the shafts and shanks, which are subject to great stress during heavy machining operations.

**BEARINGS**

All shafts are supported by (2) or (3) Abec 7 angular contact bearings. Angular contact bearings represent the evolution of conical rollers and support both axial & radial loads. All tool body bearing housing surfaces are ground for maximum precision.





20 Thompson Rd | East Windsor | CT 06088  
1.800.249.5662 | 860.623.4132 Fax  
[www.komaprecision.com](http://www.komaprecision.com) | [info@komaprecision.com](mailto:info@komaprecision.com)

ROTARY TABLES | ANGLE HEADS | LIVE TOOLS | SWISS TOOLS | TOOL PRESETTERS