













20 Thompson Rd | East Windsor | CT 06088 1.800.249.5662 | 860.623.4132 Fax www.komaprecision.com | info@komaprecision.com

SMARTCHANGE





△SmartChange System

New from Alberti, a complete range of live tools with interchangeable adapters for Nakamura-Tome 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.





SMARTCHANGE TOOLS



The Alberti SmartChange **System**

A quick change system like no other...

QUICK • EASY • PRECISE

			CROSS DRILL TOOLS	FACE DRILL TOOLS	
		_		A26330-SC2	A26333-SC2
	WY-100	Standard		GH-66586-00	GH-66587-00
			Output	SC*	SC*
			Nm/ft.lbs.	-	25.1/18.5
athe Model			RPM	6,000	6,000
		Coolant Thru		A26330C-SC2	A26333C-SC2
				GH-66635-00	GH-66637-00
			Output	SC*	SC*
턞			Nm/ft.lbs.	-	25.1/18.5
[aj			RPM	6,000	6,000
					A26333-75GL-SC2
		th de			GH-66980-00
		Extended Length	Output		SC*
			Nm/ft.lbs.		25.1/18.5
			RPM		6,000

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

	N. T.			CROSS DRILL TOOLS	FACE DRILL TOOLS
	AS-200			KZ1510-SC2	KZ1513-SC2
	NTY3-250 TW-10 SC-150 SC-200 SC-250 WT-150LB WT-250 WTS-150 WTW-150 SUPER NTJJ SUPER NTJJ NTM3	Standard		GH-41510-13	GH-41513-20
			Output	SC2*	SC2*
de			Nm/ft.lbs.	-	25.1/18.5
Lathe Mode			RPM	6,000	6,000
e l				KZ1510C-SC2	KZ1513C-SC2
at		텉_		GH-41510-14	GH-41513-22
		ola Thr	Output	SC2*	SC2*
		3	Nm/ft.lbs.	-	25.1/18.5
	WY-250L		RPM	6,000	6,000

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

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

Additional Adapters

Accessories

Measuring Fixtures



ER Collets				
SIZE	LIST PRICE			
ER-20	\$520	SC2-ER20		
ER-25	\$520	SC2-ER25		
ER-32	\$520	SC2-ER32		



weldon Outputs				
SIZE	LIST PRICE			
1/4"	\$400	SC2250		
3/8"	\$400	SC2375		
1/2"	\$400	SC2500		
S 5/8"	\$400	SC2625		



Shell Mill Arbors			
SIZE	LIST PRICE		
3/4"	\$475	SC2-SM.750	



♦ Smart	Tool Pot	
SIZE	LIST PRICE	
40 Taper	\$950	GP-56661-00
50 Taper	\$950	GP-56548-00

Tool Pot



S SmartChange	Holding Fixture
LIST PRICE	
\$750	GP-56968-00

Note: Holding fixture does not include adapter and wrench.

SMARTCHANGE



The Alberti SmartChange System

A quick change system like no other...

QUICK • EASY • PRECISE

Triple Contact System

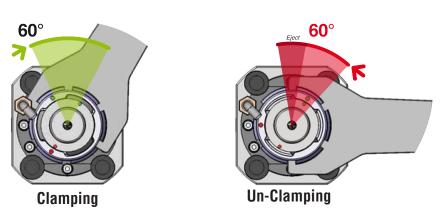


This system incorporates a triple contact support between the body and adapter for extreme rigidity and accuracy.

Low Profile



How It Works



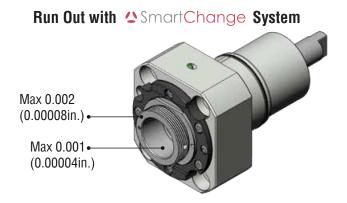
The patent pending Alberti SmartChange collet clamp & wrench system quickly and precisely locks the quick change adapter, reducing tool cutter changing time to a minimum.

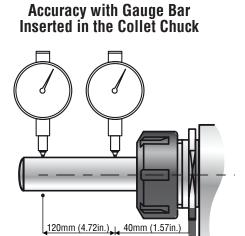
The \sim SmartChange System allows for tools to be externally preset for quick job change over and increased profitability.



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.)





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.)

Large Selection of Adapters





TOOL PRESETTER



- Natural Granite Base & Column for Increased Thermal Stability
- Stainless Steel Mechanical Elements for Higher Resistance
 & Longer Life

Spindle Interchangeability

- Fully Interchangeable to Handle a Multitude of Different Tool Shank Types (Optional)

Axis Movements

- Fast & Precise Adjustments for Immediate Visualization of Tool Profiles
- Simple, Easy-to-Use, Maintenance Free Design

Electronic Features

- Newly Upgraded Camera System with TFT Color LCD 5.7" Backlit Matrix Display for Improved User Interface
- C-MOS Sensor with 0.001 mm Resolution

DDP System Software

- Easy to Use, Intuitive Software

SPECIFICATIONS

LARTH CONSTRUCTION

Bench Model

Natural Granite Base & Column

Stainless Steel Mechanical Elements

Dimensions 512mm L x 406mm D x 827mm H

Weight 45 Kg / 99 lbs

AXIS MOVEMENT

X Axis (Radial) = 130mm / 5.188in

Z Axis = 360mm / 14.17in

Resolution X & Z Axis - 1 µm

Manual Rapid & Fine Adjustment Movement (Zero Backlash)

SPINDLE

Fixed or Interchangeable Rotating Spindles

ISO / HSK / CAPTO / VDI / Interchangeable Rotating Spindles Available

ISO 40, 50 Fixed Rotating Spindle Holder & Adapters Available

Manual Mechanical Brake

Concentricity - 4 µm

Maximum Tool Weight 30kg / 66 lbs.

OPERATING SYSTEM

5.7" Color LCD Touchscreen Display / Operator Interface / 640 x 480 Resolution

RISC 32 Bit Processor

Data Storage on Flash

Connectivity - USB / RS-232

Printer Support (optional)

Capable of Storing 9 Different Machine

Specifications

Capable of Storing 81 Different Tool Specifications

CAPABILITIES

Measure - Full Screen Auto Targeting

Measure - X&Z Axis Focusing Control Bar

Measure - Automatic Radius & Angle

Computing Cycle

Measure - Radius/Diameter, MM/Inches,

Absolute/Incremental Modes

VISION SYSTEM

Telecentric Lens / C-MOS Image Sensor with 0.001mm resolution / 20x Magnification

DPP SOFTWARE (Optional)

Tool List Management / Tool Sets & Post

Processor Universal Generator

CNC Machine Origin Management

TOOL PRESETTER



◆SmartChange

elbo controlli 🧊

Outside Presetting

Speeds Up Tool Change & Replacement Times • Eliminate Tool Offset Input Errors Minimize Spindle Down Time • Increase Productvity



1

To speed up tool changes & replacement times, \(\sigma\) SmartChange **Adapters** are pre-staged.



Tools then are loaded into the SmartChange Tool Pot for measuring on the Southon Starth Tool Presetter.





SmartChange Holding Fixture is used to clamp / unclamp Adapters in Tool Pot.



Tool Pot is inserted on the Larth Tool Presetter for measurement.







20 Thompson Rd | East Windsor | CT 06088 1.800.249.5662 | 860.623.4132 Fax www.komaprecision.com | info@komaprecision.com

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