



# RTI

Making your 3-axis machine into a  
4- or 5-axis machine . . . is easier than you think

## ROTARIES & INDEXERS



# Haas has a SOLUTION FOR EVERY PART

Haas high-precision rotary products provide powerful 4th- and 5th-axis capabilities for every shop – boosting productivity through affordable, plug-and-play simplicity.

## Perfect for Medium to Large Parts

### HRT SERIES

When you need to hold medium to large parts for multi-side machining or complex contouring, the Haas HRT Series rotary tables are the perfect solutions. These rugged, heavy-duty rotary tables can be mounted vertically or horizontally, and they feature precision T-slots and large through-holes for versatile fixturing.

#### Available rotary table models

SMALL	MEDIUM	LARGE
HRT100	HRT210	HRT450
HRT160	HRT210SP	HRT630
HRT160SP	HRT210M	HRT800
HRT160SS	HRT210HT	HRT1000
HRC160	HRT210SS	
HRT160-2	HRT210-2	
HRTA5	HRTA6	
	HRT310	
	HRT310SP	
	HRT310SS	

35-830°/sec  
MAX SPEED

100-1000 mm  
PLATTER SIZE

35-2000 ft-lb  
MAX TORQUE

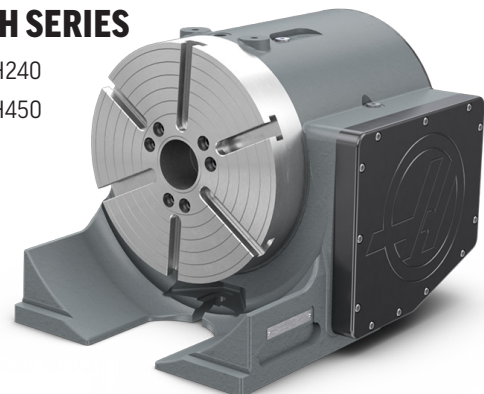
### TH SERIES

Our TH Series of compact through-hole rotary tables provide the same features and benefits as our standard HRT Series, but they feature compact enclosure designs and versatile mounting options that allow you to fit a lot of rotary table into a small work envelope.

#### Available THROUGH-HOLE models

##### TH SERIES

TH240  
TH450



75-100°/sec  
MAX SPEED

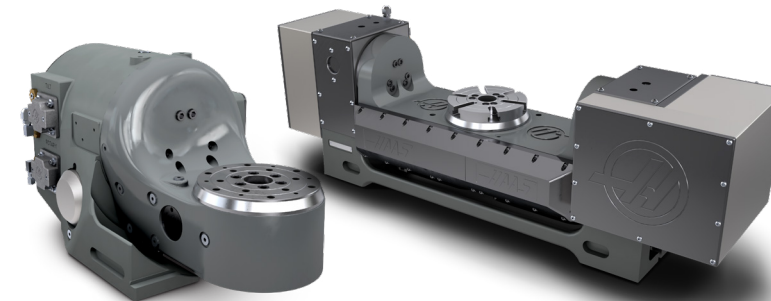
240-450 mm  
PLATTER SIZE

210-300 ft-lb  
MAX TORQUE

## Reduce Setups and Increase Accuracy

### 5-AXIS SOLUTIONS

Five-axis machining is the fastest way to reduce setups, boost throughput, and increase accuracy on complex parts. And Haas plug-and-play dual-axis rotary tables and indexers make 5-axis machining easier than ever, allowing you to reduce or totally eliminate multiple setups, and easily handle multi-sided parts.



#### Powerful 5-axis Solutions for 3-Axis Mills

Haas dual-axis rotary tables and indexers are the perfect bolt-on solutions for machining complex parts. These dual-axis rotaries bolt directly to the mill's table to provide simultaneous 5-axis motion, or position parts to nearly any angle for 3+2 multi-side machining.

50-1000°/sec  
MAX SPEED

50-500 mm  
PLATTER SIZE

1-4  
SPINDLES

16-2240 ft-lb  
MAX TORQUE

#### Available dual-axis models

TRUNNION	TILTING ROTARY	TILTING INDEXER
TR160	TRT70	T5C
TR160-2	TRT100	T5C2
TR200Y	TRT160	T5C3
TR210	TRT210	T5C4
TR310	TRT310	
TR500SS		

## The product that started it all



Gene Haas founded Haas Automation in 1983 to manufacture the machine tool industry's first fully programmable collet indexer – the Haas HA5C. Needless to say, it

was a complete success. Today, Haas offers more than 40 different high-productivity rotary products to help you succeed.

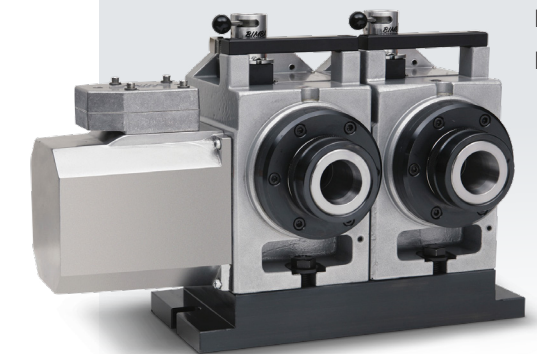
Haas HA5C Series rotary indexers are the ideal choice for holding smaller parts. They are easy to program, interface, and set up; and our precision in-house manufacturing and machining processes ensure high quality, and years of dependable operation.

With more than three decades of refinement, Haas rotary indexers are the industry benchmark for quality, accuracy, and dependability. We offer a selection that is almost endless, with single- and multiple-head units available, and various speed options to choose from.

#### Available indexer models

##### SINGLE SPINDLE MULTIPLE SPINDLE

HA5C	HA5C2	HA2TS
HA5C-T	HA5C2-T	HA5C3
HA5CS		HA5C3-T
		HA5C4
		HA5C4-T

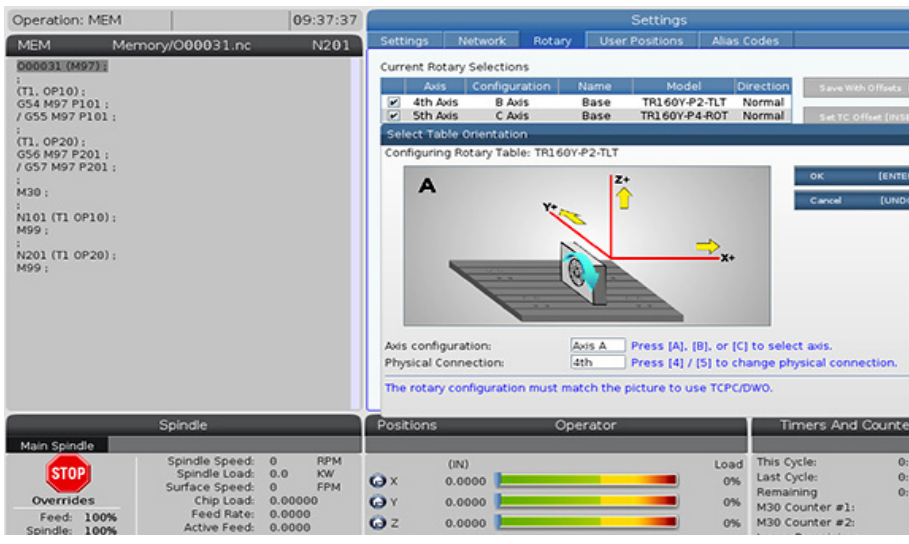


200-725°/sec  
MAX SPEED

1-4  
SPINDLES

20-60 ft-lb  
MAX TORQUE

5C  
COLLET SIZE



# Haas Control's Easy Rotary Setup

All Haas rotary products are designed to integrate seamlessly with the control on your Haas mill. This means true simultaneous 4- or 5-axis motion, synchronized with the axes of your mill. Rotary setup is a simple plug-and-play process through the Haas Control, with on-screen instructions, and diagrams that are intuitive and easy to understand. For standalone rotary operation, we also offer the Haas Servo Control. Activated by a single M-code, the Servo Control is easy to set up, and fully programmable.

## Rotary Fixturing Choices

Haas offers a wide selection of workholding solutions for your 4th- and 5th-axis applications, from compact air-collet closers to quick-change fixture plates to manual scroll chucks.



### QuikChange Cube

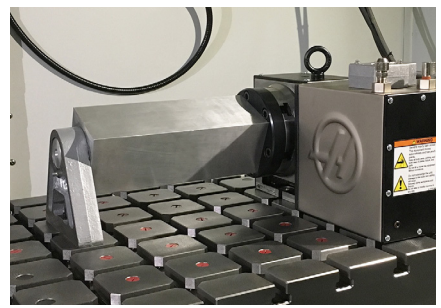
The QuikChange Cube allows you to quickly change a group of parts when used with the QuikChange system. Multiple parts can be set up on the QuikChange Cube, and changeover is quick – less than 5 seconds. The operator can be setting up parts on one cube, while machining parts on another.

- Easy installation
- Required hardware is supplied by Haas
- Requires the Haas QuikChange system



### Air Collet Closer

The pneumatic draw-tube assembly works to provide air collet closing capabilities for rotary tables. Collets can be clamped with the flip of a lever, and are mechanically closed and pneumatically opened. Clamping force is spring actuated and adjustable.



### A-Frame Support

Need to support your own custom fixture for your rotary table? The Haas A-frame support can help with that.

- Easy installation and maintenance
- Supports custom fixtures
- Provides extra support for heavy or aggressive cuts

We have the fixturing solutions you're looking for. Find yours at [HaasCNC.com/parts](http://HaasCNC.com/parts) today.