

## Automatic Parts Loader

The Haas Automatic Parts Loader is a simple and affordable way to automate part production and boost productivity. It is designed and built exclusively for use on Haas turning centers and VMCs, and connects directly to the Haas control.

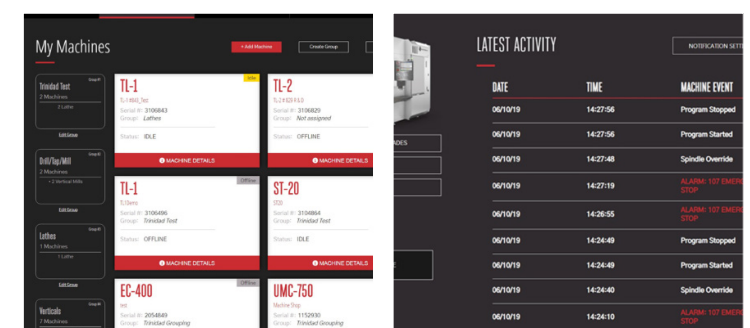
- All-inclusive design, with plug-and-play capabilities
- Interfaces directly with the Haas control
- Accommodates parts up to 6" length x 6" width x 10 lb (152 mm x 152 mm x 4.5 kg)
- Includes light curtain for safe operation (non-CE)
- CE compliance requires the optional safety guard fencing
- Made in the USA



**APLs AVAILABLE ON:**  
**VF Series Vertical Mills:**  
 VF-1, 2, 2SS, 2YT, 2SSYT, VM-2  
**UMC Series:**  
 UMC-500, 500SS  
**ST Series Turning Centers:**  
 ST-10Y, 15Y, 20, 20Y, 25, 25Y, 28, 28Y



## MyHaas: Meet Your New Fleet Management

View detailed information about your machines, including serial numbers, build dates, warranty start/end dates, product details, and machine option details. **Sign up now at HaasCNC.com/myhaas**




**Manage Your Machines**  
 Customize your dashboard to manage and group all Haas machines in your fleet (both NGC and Classic).

**Machine Activities**  
 Up-to-the-minute event tracking for a single machine, or your entire fleet – all in one window.

Download on the App Store

GET IT ON Google Play



**HaasDrop**  
 HaasDrop is a fast and convenient method for sending images, videos, and even program files from a mobile device directly to a Haas NextGen Control. Download the free app, and start transferring files directly to the Haas control.

## Local Support & Unbeatable Service

When you purchase a Haas, you gain access to a global network of highly skilled Haas service engineers and local Haas Factory Outlets (HFOs). Plus, you'll have 24/7 access to online technical documents, operator manuals, and video tutorials. From installation and training, to service and technical support – Haas has you covered.

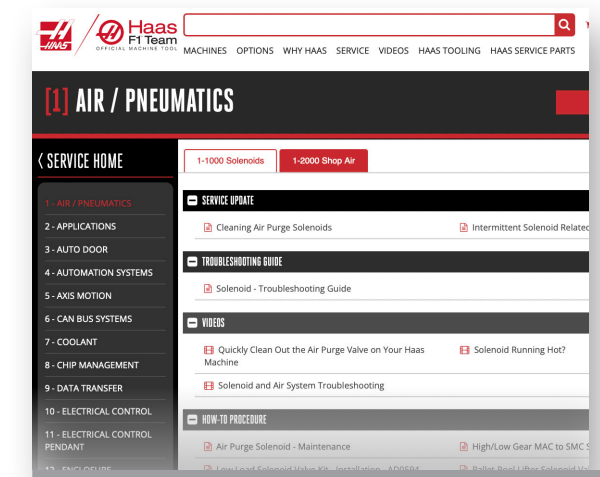


### Online Resources

Access our manuals, drawings, and instructional videos online, 24/7 – to help you learn about, operate, and maintain your Haas CNC machine.

### Haas Platinum One-Call Service

Get expert service and a dependable, immediate response to keep you making chips.



### Certified Technicians

Every Haas Factory Outlet fields a complete service department staffed with factory-trained and -certified personnel. Haas owners receive state-of-the-art service through our worldwide network of Haas Factory Outlets.

### Local Parts Availability

Every Haas Factory Outlet stocks an extensive inventory of service and maintenance parts for quick access. Our California headquarters can ship a needed replacement part to the HFO the same day it's ordered – 99% of the time.

### Fair Spares Pricing

We believe that reasonably priced replacement parts are a big part of a machine's overall value. We're not interested in gouging a customer in need. Your loyalty is more important.

Visit [parts.HaasCNC.com](http://parts.HaasCNC.com).









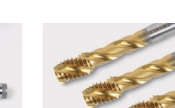



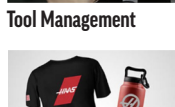

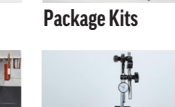
## HaasTooling.com

Haas Tooling sells high-performance end mills, shell mills, toolholders, and just about every other tool that your machine shop needs! What originally started with cutting tools, has now expanded into other tooling categories, including partnerships with industry leaders like Kurt and Jergens. We only sell tools that we believe in, and each tool that is found on HaasTooling.com has gone through rigorous testing on Haas machines before becoming available to you.

- Delivered directly to you
- Tested and proven on Haas machines; available for all machines
- Ready2Run Kits

**4 Easy Ways to Buy:**

- Online
- With your machine
- From your local HFO
- Through the MyHaas app

 Mill Toolholding	 Mill Workholding	 Milling
 Lathe Toolholding	 Lathe Toolholding	 Lathe Workholding
 ER Collets & Chucks	 Holemaking	 Threading
 Tool Management	 Tool Accessories	 Package Kits
 Apparel & Accessories	 Storage & Handling	 Measuring & Inspection

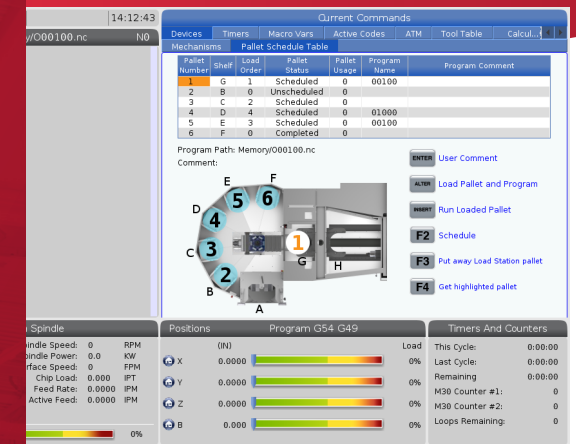


# MODEL GUIDE

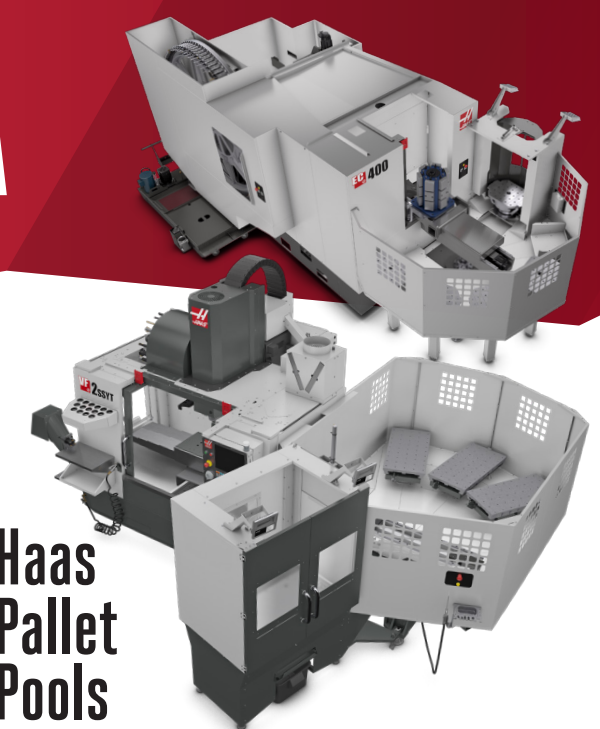


HIGH-PERFORMANCE MACHINE TOOLS

## AUTOMATION IS IN OUR DNA



## Haas Pallet Pools



### PALLET POOLS AVAILABLE ON:

- |             |           |
|-------------|-----------|
| UMC-500/SS  | EC-400    |
| UMC-750/SS  | VC-400/SS |
| UMC-1000/SS | VF-2SSYT  |
| UMC-1250/SS | VM-2      |

Haas Pallet Pool systems are perfect for high-volume production runs, or high-mix/low-volume machining. They integrate seamlessly with the Haas control, which includes a simplified Pallet Schedule Table that allows pallet-scheduling functions from a single dedicated screen.

Pallets can be scheduled individually according to priority and sequencing requirements, allowing high-priority parts to be machined first or staged more often. Completed pallets are returned automatically to the holding location, or can be sent to a protected operator station for immediate unloading and reloading.



*Completely Programmed on the Haas Control!*

## Haas Robot Packages

- Package 1 7 kg capacity, 6-axis robot system
- Package 2 25 kg capacity, 6-axis robot system
- Package 3 50 kg capacity, 6-axis robot system

Haas Robot Packages are all inclusive robotic automation solutions for your Haas machine. Everything needed to start automatic loading and unloading of parts is included (robot, stand, fence, etc.), so you can be up and running, fully automated, in a couple of hours, not days.

### ROBOT PACKAGES AVAILABLE ON:

- All VF-1 through VF-11 VMCs, both 40T and 50T models
- All VMs
- UMC-350HD, and UMC-500/750/1000
- All ST-10 through ST-35 turning centers, including Y-axis models
- Also now available on DTs and DMs

FIND OUT MORE AT [WWW.HAASCNC.COM](http://WWW.HAASCNC.COM)



Machine With Available Option(s):

- △ Automatic Parts Loader
- Pallet Pool
- Robot System



### Small

▲ ■ VF-1	20" x 16" x 20" (xyz) 508 x 406 x 508 mm	■ VF-4SS Super Speed	50" x 20" x 25" (xyz) 1270 x 508 x 635 mm	■ VF-7	84" x 32" x 30" (xyz) 2134 x 813 x 762 mm
▲ ■ VF-2	30" x 16" x 20" (xyz) 762 x 406 x 508 mm	■ VF-5	50" x 26" x 25" (xyz) 1270 x 660 x 635 mm	■ VF-7/50	84" x 32" x 30" (xyz) 2134 x 813 x 762 mm
▲ ■ VF-2SS Super Speed	30" x 16" x 20" (xyz) 762 x 406 x 508 mm	■ VF-5SS Super Speed	50" x 26" x 25" (xyz) 1270 x 660 x 635 mm	■ VF-8	64" x 40" x 30" (xyz) 1626 x 1016 x 762 mm
■ VF-2TR 5-Axis	30" x 16" x 20" (xyz) 762 x 406 x 508 mm	■ VF-5TR 5-Axis	50" x 26" x 25" (xyz) 1270 x 660 x 635 mm	■ VF-8/50	64" x 40" x 30" (xyz) 1626 x 1016 x 762 mm
▲ ■ VF-2YT	30" x 20" x 20" (xyz) 762 x 508 x 508 mm	■ VF-5XT	60" x 26" x 25" (xyz) 1524 x 660 x 635 mm	■ VF-9	84" x 40" x 30" (xyz) 2134 x 1016 x 762 mm
▲ ■ VF-2SSYT Super Speed	30" x 20" x 20" (xyz) 762 x 508 x 508 mm	■ VF-5/50	50" x 26" x 25" (xyz) 1270 x 660 x 635 mm	■ VF-9/50	84" x 40" x 30" (xyz) 2134 x 1016 x 762 mm

### Medium

■ VF-3	40" x 20" x 25" (xyz) 1016 x 508 x 635 mm	■ VF-5/50TR 5-Axis	50" x 26" x 25" (xyz) 1270 x 660 x 635 mm	■ VF-10	120" x 32" x 30" (xyz) 3048 x 813 x 762 mm
■ VF-3SS Super Speed	40" x 20" x 25" (xyz) 1016 x 508 x 635 mm	■ VF-5/50XT	60" x 26" x 25" (xyz) 1524 x 660 x 635 mm	■ VF-10/50	120" x 32" x 30" (xyz) 3048 x 813 x 762 mm
■ VF-3YT	40" x 26" x 25" (xyz) 1016 x 660 x 635 mm	■ VF-6	64" x 32" x 30" (xyz) 1626 x 813 x 762 mm	■ VF-11	120" x 40" x 30" (xyz) 3048 x 1016 x 762 mm
■ VF-3SSYT Super Speed	40" x 26" x 25" (xyz) 1016 x 660 x 635 mm	■ VF-6SS Super Speed	64" x 32" x 30" (xyz) 1626 x 813 x 762 mm	■ VF-11/50	120" x 40" x 30" (xyz) 3048 x 1016 x 762 mm
■ VF-3YT/50	40" x 26" x 25" (xyz) 1016 x 660 x 635 mm	■ VF-6TR 5-Axis	64" x 32" x 30" (xyz) 1626 x 813 x 762 mm	VF-12	150" x 32" x 30" (xyz) 3810 x 813 x 762 mm
■ VF-4	50" x 20" x 25" (xyz) 1270 x 508 x 635 mm	■ VF-6/50	64" x 32" x 30" (xyz) 1626 x 813 x 762 mm	VF-12/50	150" x 32" x 30" (xyz) 3810 x 813 x 762 mm
		■ VF-6/50TR 5-Axis	64" x 32" x 30" (xyz) 1626 x 813 x 762 mm	VF-14/40	150" x 40" x 30" (xyz) 3810 x 1016 x 762 mm
				VF-14/50	150" x 40" x 30" (xyz) 3810 x 1016 x 762 mm

### Toolroom Series

TM-0	20" x 12" x 16" (xyz) 508 x 305 x 406 mm	
TM-0P Tool Changer	20" x 12" x 16" (xyz) 508 x 305 x 406 mm	
TM-1	30" x 16" x 16" (xyz) 762 x 406 x 406 mm	
TM-1P Tool Changer	30" x 16" x 16" (xyz) 762 x 406 x 406 mm	
TM-2	40" x 16" x 16" (xyz) 1016 x 406 x 406 mm	
TM-2P Tool Changer	40" x 16" x 16" (xyz) 1016 x 406 x 406 mm	

### Robot Packages

TL-1	16" x 30" (max cap) 406 x 762 mm	
TL-2	16" x 48" (max cap) 406 x 1219 mm	
TL-1-EDU	16" x 30" (max cap) 406 x 762 mm	

Package 1 7 kg cap. / 6-axis robot  
 Package 2 25 kg cap. / 6-axis robot  
 Package 3 50 kg cap. / 6-axis robot

Fully integrated with the Haas control.  
 No 3rd-party integration needed.

### Universal Machines

■ UMC-350 30 Taper	15" x 14" x 12" (xyz) 381 x 356 x 305 mm	■ DT-1 30 Taper	20" x 16" x 15.5" (xyz) 508 x 406 x 394 mm
■ UMC-350HD 40 Taper	15" x 14" x 12" (xyz) 381 x 356 x 305 mm	■ DT-2 30 Taper	28" x 16" x 15.5" (xyz) 711 x 406 x 394 mm
■ UMC-500	24" x 16" x 16" (xyz) 610 x 406 x 406 mm	■ DM-1 40 Taper	20" x 16" x 15.5" (xyz) 508 x 406 x 394 mm
■ UMC-500SS Super Speed	24" x 16" x 16" (xyz) 610 x 406 x 406 mm	■ DM-2 40 Taper	28" x 16" x 15.5" (xyz) 711 x 406 x 394 mm
■ UMC-750	30" x 20" x 20" (xyz) 762 x 508 x 508 mm		
■ UMC-750SS Super Speed	30" x 20" x 20" (xyz) 762 x 508 x 508 mm		
■ UMC-1000	40" x 25" x 25" (xyz) 1016 x 635 x 635 mm		
■ UMC-1000-P Profiling	40" x 25" x 25" (xyz) 1016 x 635 x 635 mm		
■ UMC-1000SS Super Speed	40" x 25" x 25" (xyz) 1016 x 635 x 635 mm		
■ UMC-1000SS-P Super Speed + Profiling	40" x 25" x 25" (xyz) 1016 x 635 x 635 mm		
■ UMC-1250 Super Speed	50" x 30" x 28" (xyz) 1270 x 762 x 711 mm		
■ UMC-1250SS Super Speed	50" x 30" x 28" (xyz) 1270 x 762 x 711 mm		
■ UMC-1500-DUO Dual Table	60" x 20" x 20" (xyz) 1524 x 508 x 508 mm		
■ UMC-1500SS-DUO Dual Table Super Speed	60" x 20" x 20" (xyz) 1524 x 508 x 508 mm		

### Drill/Tap/Mill Series

■ DT-1 30 Taper	20" x 16" x 15.5" (xyz) 508 x 406 x 394 mm
■ DT-2 30 Taper	28" x 16" x 15.5" (xyz) 711 x 406 x 394 mm
■ DM-1 40 Taper	20" x 16" x 15.5" (xyz) 508 x 406 x 394 mm
■ DM-2 40 Taper	28" x 16" x 15.5" (xyz) 711 x 406 x 394 mm

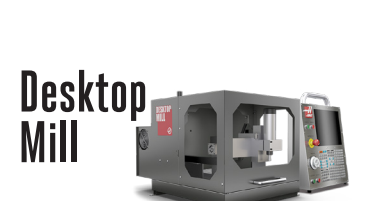
### Compact Mills

CM-1	12" x 10" x 14" (xyz) 305 x 254 x 356 mm
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### Gantry Series

GR-510	121" x 61" x 11" (xyz) 3073 x 1549 x 279 mm
GR-712	145" x 85" x 11" (xyz) 3683 x 2159 x 279 mm
GM-2 3-Axis	145" x 87.5" x 22" (xyz) 3683 x 2223 x 559 mm
GM-2-5AX 5-Axis	145" x 87.5" x 39.4" (xyz) 3683 x 2223 x 1000 mm



### Desktop Mill

Desktop Mill	6" x 10" x 3" (xyz) 152 x 254 x 76 mm
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### Extra-Large VMC

VS-1	100" x 50" x 50" (xyz) 2540 x 1270 x 1270 mm
VS-3	150" x 50" x 50" (xyz) 3810 x 1270 x 1270 mm



### ST Series

■ ST-10* 1.75" Bar (44 mm)	12" x 16" (max cap) 305 x 406 mm
■ ST-15* 2.5" Bar (63.5 mm)	12" x 16" (max cap) 305 x 406 mm
▲ ■ ST-20* 2.5" Bar (63.5 mm)	13" x 22.5" (max cap) 330 x 572 mm
▲ ■ ST-25* 3.0" Bar (76 mm)	13" x 22.5" (max cap) 330 x 572 mm
▲ ■ ST-28* 4.0" Bar (102 mm)	13" x 22.5" (max cap) 330 x 572 mm
■ ST-30* 3.0" Bar (76 mm)	15" x 32.5" (max cap) 381 x 826 mm
■ ST-35* 4.0" Bar (102 mm)	15" x 32.5" (max cap) 381 x 826 mm



### Y-Axis

▲ ■ ST-10Y* 1.75" Bar (44 mm)	12" x 16" (max cap) 305 x 406 mm
▲ ■ ST-15Y* 2.5" Bar (63.5 mm)	12" x 16" (max cap) 305 x 406 mm
▲ ■ ST-20Y* 2.5" Bar (63.5 mm)	11.75" x 22.5" (max cap) 298 x 572 mm
▲ ■ ST-25Y* 3.0" Bar (76 mm)	11.75" x 22.5" (max cap) 298 x 572 mm
▲ ■ ST-28Y* 4.0" Bar (102 mm)	11.75" x 22.5" (max cap) 298 x 572 mm
■ ST-30Y* 3.0" Bar (76 mm)	13.75" x 32.5" (max cap) 349 x 826 mm
■ ST-35Y* 4.0" Bar (102 mm)	13.75" x 32.5" (max cap) 349 x 826 mm

### Dual-Spindle

DS-30Y 3.0" Bar (76 mm)	18" x 23" (max cap) 457 x 584 mm
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### Large-Through-Bore

ST-40 4.0" Bar (102 mm)	25.5" x 44" (max cap) 648 x 1118 mm
ST-40L 4.0" Bar (102 mm)	25.5" x 80" (max cap) 648 x 2032 mm
ST-45 7.0" Bore (178 mm)	25.5" x 44" (max cap) 648 x 1118 mm
ST-45L 7.0" Bore (178 mm)	25.5" x 80" (max cap) 648 x 2032 mm
ST-55 12.5" Bore (318 mm)	25.5" x 80" (max cap) 648 x 2032 mm

### Long-Bed Models

■ ST-10L 1.75" Bar (44 mm)	12" x 32.5" (max cap) 305 x 826 mm
■ ST-10LY 1.75" Bar (44 mm)	12" x 32.5" (max cap) 305 x 826 mm
■ ST-15L 2.5" Bar (63.5 mm)	12" x 32.5" (max cap) 305 x 826 mm
■ ST-15LY 2.5" Bar (63.5 mm)	12" x 32.5" (max cap) 305 x 826 mm
■ ST-20L 2.5" Bar (63.5 mm)	13" x 42.5" (max cap) 330 x 1080 mm
■ ST-20LY 2.5" Bar (63.5 mm)	11.75" x 42.5" (max cap) 298 x 1080 mm
■ ST-25L 3.0" Bar (76 mm)	13" x 42.5" (max cap) 330 x 1080 mm
■ ST-25LY 3.0" Bar (76 mm)	11.75" x 42.5" (max cap) 298 x 1080 mm
■ ST-28L 4.0" Bar (102 mm)	13" x 42.5" (max cap) 330 x 1080 mm
■ ST-28LY 4.0" Bar (102 mm)	11.75" x 42.5" (max cap) 298 x 1080 mm
■ ST-30L 3" Bore (76 mm)	15" x 62.5" (max cap) 381 x 1588 mm
■ ST-30LY 3" Bore (76 mm)	13.75" x 62.5" (max cap) 349 x 1588 mm
■ ST-35L 4.0" Bar (102 mm)	15" x 62.5" (max cap) 381 x 1588 mm
■ ST-35LY 4.0" Bar (102 mm)	13.75" x 62.5" (max cap) 349 x 1588 mm

### Chucker Lathe

CL-1 1" Bar (25 mm)	1" x 8" (max cap) 25.4 x 203 mm
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### EC Series

● EC-400 40 Taper	22" x 25" x 22" (xyz) 559 x 635 x 559 mm
EC-500 40 Taper	32" x 25" x 28" (xyz) 813 x 635 x 711 mm
EC-500/50 50 Taper	32" x 25" x 28" (xyz) 813 x 635 x 711 mm
EC-630 50 Taper	40" x 37" x 40" (xyz) 1016 x 940 x 1016 mm
EC-1600 50 Taper	64" x 50" x 32" (xyz) 1626 x 1270 x 813 mm
EC-1600ZT 50 Taper	64" x 50" x 40" (xyz) 1626 x 1270 x 1016 mm
EC-1600ZT-5AX 5-Axis / 50 Taper	64" x 50" x 40" (xyz) 1626 x 1270 x 1016 mm

### VR Series

VR-8 2-Axis Head	64" x 40" x 42" (xyz) 1626 x 1016 x 1067 mm
VR-9 2-Axis Head	84" x 40" x 42" (xyz) 2134 x 1016 x 1067 mm
VR-11 2-Axis Head	120" x 40" x 42" (xyz) 3048 x 1016 x 1067 mm
VR-14 2-Axis Head	150" x 40" x 42" (xyz) 3810 x 1016 x 1067 mm

## ROTARIES & INDEXERS

### Small Rotary

HRT100 HRT160 HRT160SP HRT160SS HRC160 HRT160-2 HRTA5	
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### Medium Rotary

HRT210 HRT210SS HRT210SP HRT210M HRT210-2 HRTA6 HRT310 HRT310SP HRT310SS	
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### Large Rotary

HRT450 HRT600 HRT630 HRT800 HRT1000	
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### Single Spindle

HA5C HA5C-T HA5CS	
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### Multiple Spindle

HA5C2 HA5C2-T HA2TS HA5C3 HA5C4	
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### Trunnion

TR160 TR160-2 TR200Y TR210 TR310 TR500SS	
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### Tilting Rotary

TRT70 TRT100 TRT160 TRT210 TRT310	
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### Through-Hole Rotary

TH240 TH450	
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### Tilting Indexer

T5C T5C2 T5C3 T5C4	
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Machines shown with optional equipment. Specifications subject to change without notice. Machines not shown to scale. Some models may not be available in all regions. Contact your local HFO for availability.

\*Finishing sub-spindle available, but not compatible with the APL.