

Hello,

We are very pleased to present the following machine for your review and approval:

## 2019 Haas EC-400 Pallet Pool

### Horizontal Machining Center

CNC Control Haas Next Gen CNC Control  
Pallet Size 400mm x 400mm (15.75")  
Machine Travels (X/Y/Z) 22" x 25" x 22"  
Pallet Indexing Full 4th Axis on Pallet  
Rapid Traverse Rate (X/Y/Z) 1400 IPM  
Max Cutting Feed Rate 833 IPM  
Spindle Taper CAT-40 Taper  
Spindle Speeds 12,000 RPM  
Toolchanger Capacity 100+1 Side Mount Twin Arm  
Max Tool Weight 12 lb  
Max Tool Length/Diameter 12" L, 3"- 6" Dia  
Tool to Tool Time  
    2.8 Seconds Tool to Tool / 3.6 Seconds  
    Chip to Chip (Average)  
Spindle Drive 30HP Vector Drive  
Max Pallet Load 880 lb w/ Full 4th  
Pallet Change Time 15 Seconds  
Spindle Nose to Pallet Center Distance 3.9" - 23.9"  
Spindle Center to Pallet Distance 2.1" - 22.1"  
Number of Pallet Stations 7 Total, 6 in Pallet Pool  
Approximate Machine Dimensions: 166.00"L x 99.00"W x 99.00"H



### -EQUIPPED WITH-

6-Station Pallet Changer with 6 Pallets (7 Total Pallets), Haas Next Gen CNC Control, Full 4th Axis on Pallet, 12,000 RPM 30HP CAT-40 Taper Spindle, 100 Station Side-Mount Twin-Arm Tool Changer, 1000 PSI High Pressure Through Spindle Coolant, Auxiliary Coolant Filter, 1GB Memory, Dynamic Work Offset & Tool Centerpoint Control Option, High Speed Machining Option, Second Home Position, Media Display M-Code, Remote Jog Handle with Color LCD, Rigid Tapping, Through Tool Air Blast, Renishaw Tool & Parts Probing System, Rotary Scales, Wifi Connection, Ethernet Port, USB Port, Chip Conveyor, Complete Coolant System, Tri-Mist Mist Filter, Pallets Included. NOTE - Tooling, Workholding, Tombstones - NOT INCLUDED.

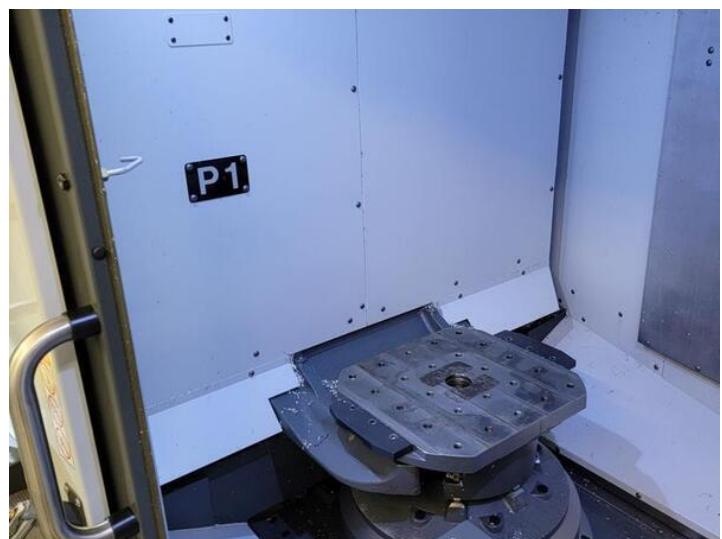
PRICE.....\$229,900

Best Regards,

Mike Heim - Sales Manager

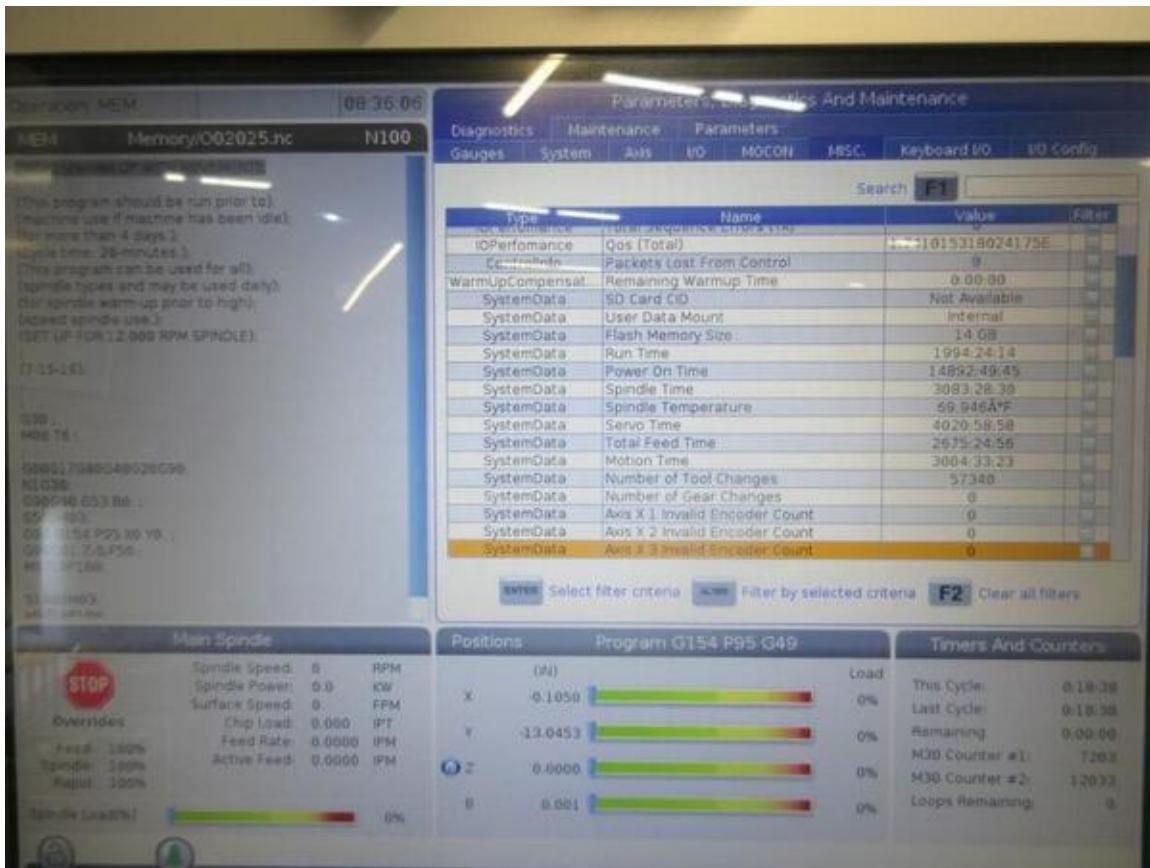


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Email: mike@2spade.com









Serial Number	Invoice No	Customer Name	Ship To Name	Subject
2055050	30661852	MultiSource - Minnetonka	MultiSource - Minnetonka	PM - Tues 7/18
2055050	30467183	MultiSource - Minnetonka	MultiSource - Minnetonka	part sale chip
2055050	30367635	MultiSource - Minnetonka	MultiSource - Minnetonka	#6.9946 B A
2055050	30336758	MultiSource - Minnetonka	MultiSource - Minnetonka	Coolant Lea
2055050	30312977	MultiSource - Minnetonka	MultiSource - Minnetonka	Update mac
2055050	30239221	MultiSource - Minnetonka	MultiSource - Minnetonka	PM - Thurs 5/18
2055050		MultiSource - Minnetonka	MultiSource - Minnetonka	Canceled
2055050	30210926	MultiSource - Minnetonka	MultiSource - Minnetonka	Check Spind
2055050	30202403	MultiSource - Minnetonka	MultiSource - Minnetonka	Not drilling or
2055050	30173245	MultiSource - Minnetonka	MultiSource - Minnetonka	Pallet Pool C
2055050	30148229	MultiSource - Minnetonka	MultiSource - Minnetonka	Alarm 6.9946
2055050		MultiSource - Minnetonka	MultiSource - Minnetonka	(Canceled)
2055050	30146202	MultiSource - Minnetonka	MultiSource - Minnetonka	Replace Che
2055050	30146185	MultiSource - Minnetonka	MultiSource - Minnetonka	Leaking Cool
2055050		MultiSource - Minnetonka	MultiSource - Minnetonka	(Canceled)
2055050	30118451	MultiSource - Minnetonka	MultiSource - Minnetonka	Geometry iss
2055050	30120709	MultiSource - Minnetonka	MultiSource - Minnetonka	Level Machi
2055050	30107288	MultiSource - Minnetonka	MultiSource - Minnetonka	6.9946 4th S
2055050	30094812	MultiSource - Minnetonka	MultiSource - Minnetonka	B axis secon
2055050	30094688	MultiSource - Minnetonka	MultiSource - Minnetonka	B axis will no
2055050	30089254	MultiSource - Minnetonka	MultiSource - Minnetonka	Install Mist C
2055050	30077953	MultiSource - Minnetonka	MultiSource - Minnetonka	New Install