

2025 Sales Training Success with Automation



Feb 2025

**Where have we found
success through the
implementation of
Automation by Haas?**



DISCOVERING AUTOMATION

YOUR JOURNEY STARTS HERE!
SCAN HERE TO START YOUR ONLINE JOURNEY
INTO FINDING THE AUTOMATION SOLUTION
THAT'S RIGHT FOR YOU!



MILL AUTOMATION LATHE AUTOMATION

MILL PALLET POOLS



VMC



3x1 Pallet Pool
VF-2YT VM-2
VF-2S5YT



6x1 Pallet Pool
VF-2YT VM-2
VF-2S5YT



6x1 Pallet Pool
EZ-400

UMC



10x1 Pallet Pool
UMC-500 UMC-500SS
UMC-750 UMC-750SS
UMC-1000 UMC-1000SS



20x1 Pallet Pool
UMC-500
UMC-500SS



6x1 Pallet Pool
UMC-1250
UMC-1250SS



MILL AUTOMATIC PARTS LOADERS



MILL AUTOMATIC PARTS LOADER
VF-1 VM-2
VF-2 VF-2YT
VF-2S VF-2S5YT



UMC AUTOMATIC PARTS LOADER
UMC-500
UMC-500SS



COMPACT AUTOMATIC PARTS LOADER
Mini Mill DM-1 DC-1
DM-4
VF-2 VF-2S
VF-2YT VF-2S5YT



MILL ROBOTS



COBOT 5kg
COMING Q2 2024



COBOT 10kg
MM-1MM
OTDM Models
VF-1 to VF-2
UMC-500 UMC-500SS
DC-1



COBOT 15kg
COMING Q2 2024



7kg CAPACITY ROBOT SYSTEM
OTDM Models
VF-1 to VF-2
UMC-500 UMC-500SS



25kg CAPACITY ROBOT SYSTEM
VF-1 to VF-5
UMC-500 UMC-500SS
UMC-750 UMC-750SS
UMC-1000 UMC-1000SS



50kg CAPACITY ROBOT SYSTEM
VF-6 to VF-11



ROBOTIC PALLET LOADER
All UMCS
VF-1 to VF-5
VM-2, VM-3

LATHE AUTOMATIC PARTS LOADERS

HAAS BAR FEEDER



HAAS BAR FEEDER
ST-10 to ST-35



LATHE AUTOMATIC PARTS LOADER
ST10V ST-20 ST-25 ST-28
ST-35V ST-20V ST-25V ST-28V

LATHE ROBOTS



COBOT 5kg
COMING Q2 2024



COBOT 10kg
ST-10 to ST-28



COBOT 15kg
COMING Q2 2024



7kg CAPACITY ROBOT SYSTEM
ST-10 to ST-28



25kg CAPACITY ROBOT SYSTEM
ST-20 to ST-35
DS-30V



50kg CAPACITY ROBOT SYSTEM
ST-30 to ST-35

AUTOMATION STARTS WITH ASKING THE RIGHT QUESTIONS.

WHAT?

Free up existing talent to work on more meaningful tasks, and allow a machine to deal with the repetitive loading and unloading of parts. Automation is the best, most logical progression for growing your business.

WHY?

Because your competition is already doing it. Automation is essential to control your costs, maximize your efficiency, and maintain a competitive edge – to ensure your future. Automation has become an absolute necessity.

HOW?

There is no one size fits all solution. We offer a number of automation systems designed to fit your specific needs. Choose from a wide selection of pre-engineered solutions, with an emphasis on **Ease, Affordability, and Versatility.**



Easy Mill Automation
STEP-AND-REPEAT PROCESS
UTILIZE THE SAME PROGRAMS
HIGH-VOLUME/LOW-MIX & LOW-VOLUME/HIGH-MIX
PRELOAD ALL PARTS



Affordable Mill Automation
LOW INVESTMENT
RUNS MULTIPLES OF THE SAME PART
SIMPLE LOAD/UNLOAD PART PROCESSING
AUTOMATED CLAMP/UNCLAMP FIXTURING



Versatile Mill Automation
ABLE TO PICK-UP/DROP-OFF AT DIFFERENT LOCATIONS
INCORPORATE PART-FLIPPING STATION
RUNS MULTIPLES OF THE SAME PART
AUTOMATED CLAMP/UNCLAMP FIXTURING



Easy Lathe Automation
EASY FIRST-UP AUTOMATION
RUNS MULTIPLES OF THE SAME PART
INTERFACES DIRECTLY WITH THE HAAS CONTROL
AUTO-FEED MATERIAL UP TO 3" (76 MM) DIA.



Affordable Lathe Automation
LOW INVESTMENT
SIMPLE LOAD/UNLOAD PART PROCESSING
RUNS MULTIPLES OF THE SAME PART
SET UP AND PROGRAM THROUGH HAAS CONTROL

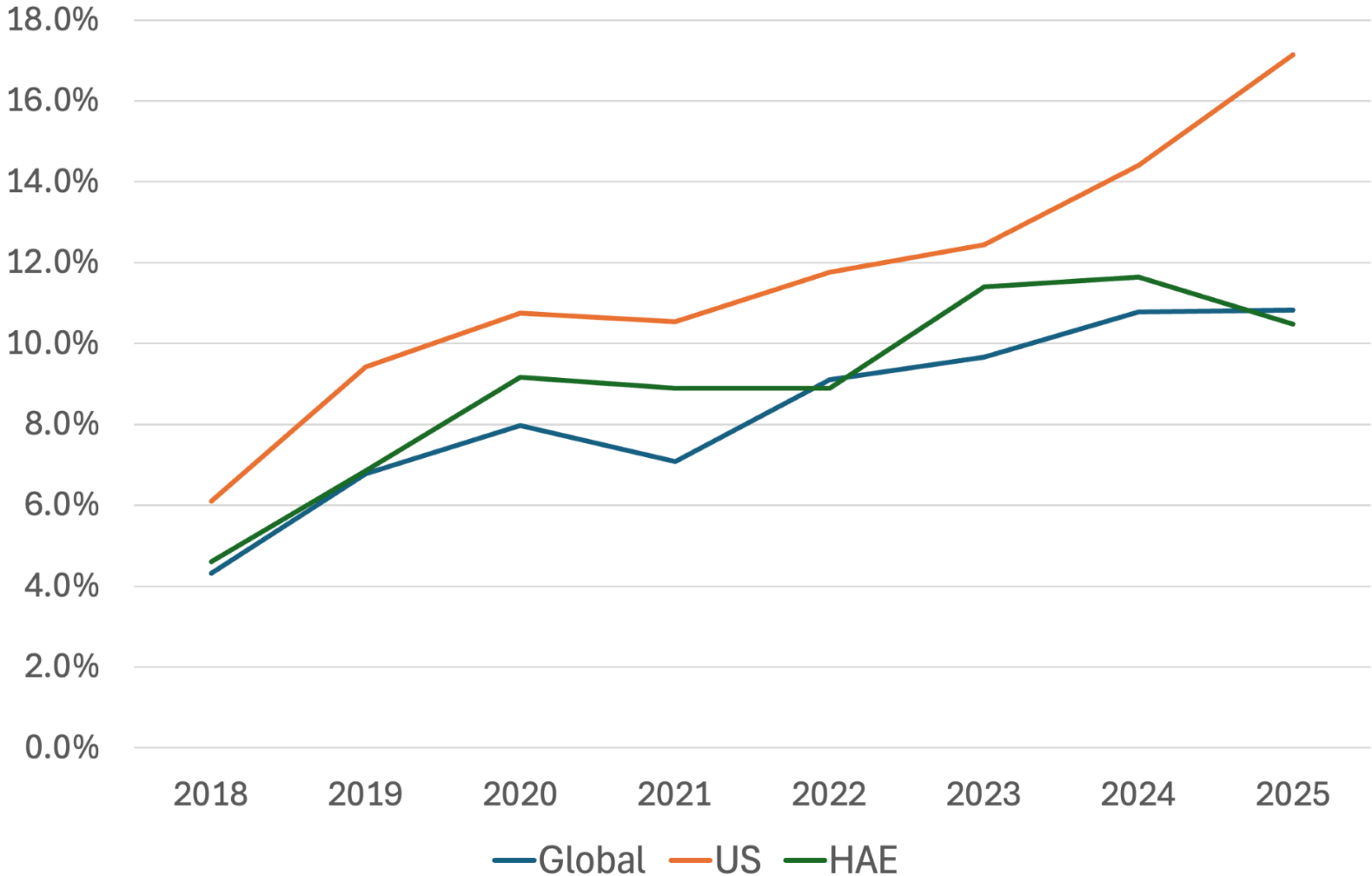


Versatile Lathe Automation
MOST VERSATILE AUTOMATION CHOICE
ABLE TO PICK-UP/DROP-OFF AT DIFFERENT LOCATIONS
INCORPORATE PART FLIPPING STATION
SET UP AND PROGRAM THROUGH HAAS CONTROL

Automation Mix



% of CNC w/ Automation



Machine Models

- VF-1 to VF-4
- ST-10 to ST-35
- UMC-500 to UMC-1250

Automation

- Barfeeders
- APLs
- PPs
- Robots
- Cobots

Automation Objectives

- Increase Runtime
 - Consolidate Operations
 - Group Multiples of Parts
 - Run through Breaks
 - Run Through Lunch Break
 - Add Unattended hours at the end of the day
- Increase Manhours of Existing Workforce
 - Difficulty in finding Qualified help
 - Rising cost of Labor
 - More Predictable Output



Check Your Spindle Uptime Quickly :
on Your Haas Control - Haas...

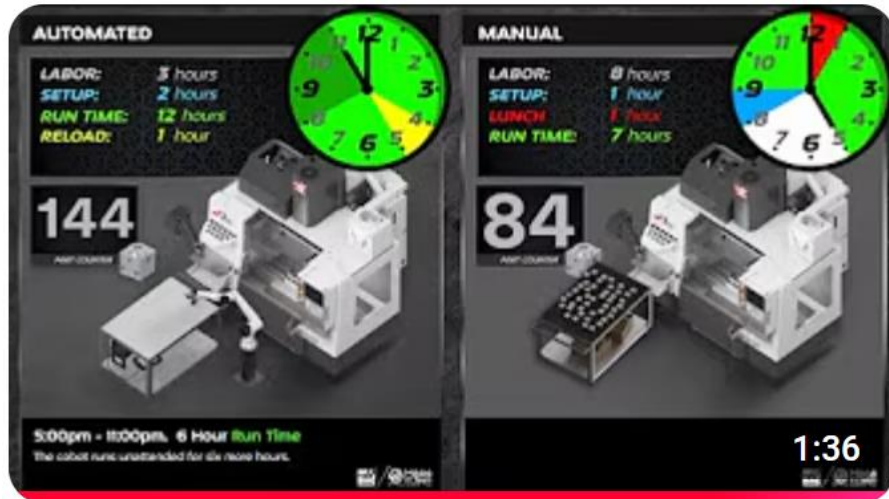
<https://youtu.be/kcOZoy9myXI?si=T4E-RHNBiXP8Ai8f>

3.6k/7mos (7/11/24)

Maximizing Spindle Uptime

- Available in Every Haas Control
 - Timers Tab

Automation Success



<https://www.youtube.com/watch?v=XhsZa0Hz-jc>

4k/7mos (7/11/24)

Theoretical Application

- Using Cobot
- Applies to any Automation Solution
- Consolidate Multiple Parts
- Generated Unattended Machine Hours
- Achieved 12 hours runtime (Extra 5 hrs.)
- 71% More Productive
- Reduced Human Labor by 62%
- Created additional 5 hours of available labor – reinvested day
- Leverage existing workforce

Haas YouTube Channel



Hundreds of Videos - <https://www.youtube.com/@haasautomation/videos>



Haas Automation, Inc.

@haasautomation · 306K subscribers · 962 videos

Welcome to the official YouTube channel of Haas Automation - America's leading CNC manufacturer. [View more](#)

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7.6K views · 3 weeks ago



Customer Spotlight - Advanced Product Design - Haas Automation, Inc.
4.5K views · 3 weeks ago



Use Advanced Tool Management to Establish Backup Tools for Long Run Jobs - ...
2.9K views · 4 weeks ago



Haas' New Shop Floor CMM - The HMM430 Coordinate Measuring Machine - Haas...
4.9K views · 1 month ago



Tapping steel with a 1/2" NPT Pipe Tap on Haas VF-4SS - Haas Automation, Inc.
6.2K views · 1 month ago

Automation Success

Advanced Product Design UMC-500SS Pallet Pool

- <https://www.youtube.com/watch?v=-n3M-qB0mjE>



Customer Profile

- Location - OH
- Aftermarket Automotive
- Haas user since 2020
- Four Haas Machines
- Seven other CNCs
- No prior Automation Experience
- 22 Employees

4.6k/1 mo (1/24/25)



Observations...

- Started with UMC-750SS
- UMC-500SS Pallet Pool
- 3D Surfacing
- Combined Operations
- Consolidated Multiple Parts

- Diversity of Parts
- Pyramid Fixture w/ Multi-Parts
- 11 Pallets (10+1)
- Obtained 15 hours runtime (17 now)
- Use of Shrink-fit Tooling
- Use of Broken Tool Detection
- “Flawless Integration”
- “I’ll never buy another machine without Automation”
- “Another Machine on Order” –
Already delivered and running

Automation Success

Samson Mfg. UMC-500SS Pallet Pool

- <https://youtu.be/SbFqvBZtyfA?si=AH8RmfTE8IBHbFI7>



Customer Profile

- Location - NH
- Job Shop – Gun Mfg.
- Haas user since 2005
- Ten Haas Machines
- Plus, other CNCs
- Automation Experience – Barfeed & Repurposed Robot
- 75 Employees

5k/8mos (5/23/24)

Automation Success



Observations...

- A lot of Standalone Haas
- UMC-500SS
- (2) UMC-500SS Pallet Pool
- Lowered their Overhead

- Combined Operations
- Consolidated Multiple Parts
- 3D Surfacing
- High Mix of Parts
- 11 Pallets
- 2nd machine ordered within 3 mos.
- Reduced 2 shifts to 1
- “Machine Never Stops Running”
- “More Than Tripled Output”
- “Pallet Pool instead of another Fanuc”

Automation Success

M*Carbo – VF-2SSYT w/ APL & Robot

- https://youtu.be/jv5z0SLE_ml?si=XPJt4wK-XkqzE1JG



Customer Profile

- Location - FL
- Gun Part Mfg.
- Haas user since 2018
- Fifteen Haas Machines
- Other CNC - Swiss
- Automation Experience – Yes, Prior Facilities
- ~25 Employees

5k/8mos (4/12/24)

Automation Success



Observations...

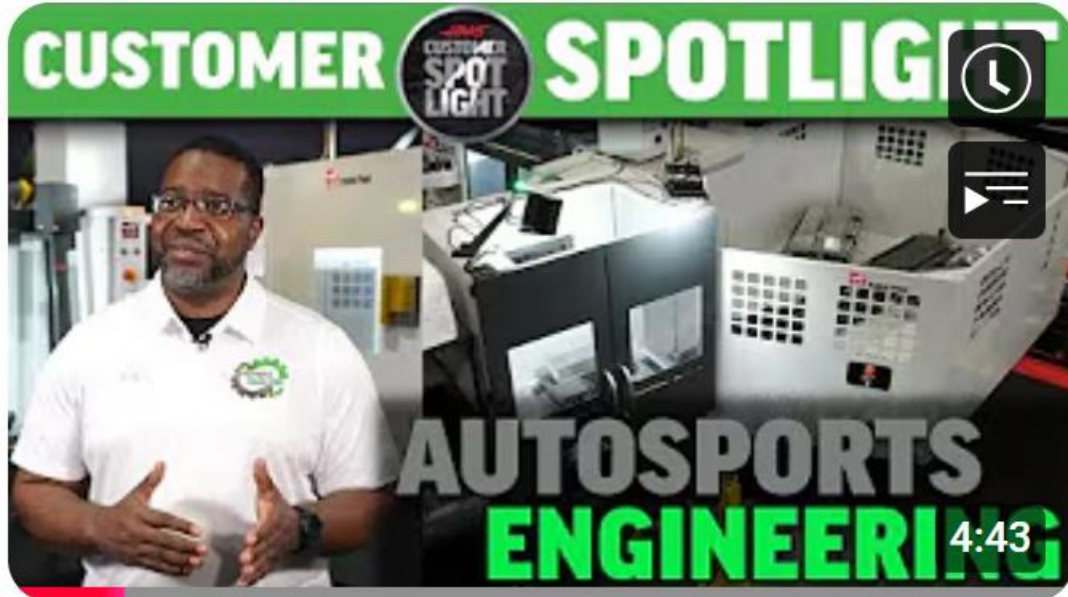
- VF-2SSYT w/ TRT & Zero Point
- Combined Operations
- Consolidate Multiple Parts
- Families of Parts
- Individual Pallets – Zero Point

- 5 Part Pyramid with Dove-Tail Vises
- Individual Collet Fixtures
- 12 & 16 Pallet Fixture Plates
- Unattended Lights Out (85% Capacity)
- Use of larger tool changer
- Seamless Interface
- “Zero Set up time”
- “Typically, there is always a large amount of stuff going on”
- “There is no more efficient Robot system on the face of the earth”
- Three Robotic Cells

Automation Success

Autosports Eng. – VF-2SSYT Pallet Pool 3+1

- <https://youtu.be/Heay8xhOBE8?si=kDIEfyIjBWbliD82>



Customer Profile

- Location - FL
- Auto Racing Mfg.
- Haas user since 2018
- Two Haas Machines (Prev. 4)
- No other CNC
- No Prior Automation Experience
- 1 Employee

11.6k/1yr (2/12/24)

Automation Success



Observations...

- VF-2SSYT w/ 3+1 Pallet Pool
- Consolidate Multiple Parts
- Variety of Larger Parts
- “4 Pallets to run at any given moment”

- 120 different parts
- High-mix/Low-volume
- “More runtime, longer hours” (Record-13 hrs.)
- Reduced his shop from 4 machines to 2 with 30% more productivity
- Led to a UMC-750SS
- Access to Multiple Sides of the part
- Combined Operations
- Longer runtime, more machining hours
- “Haas has good reliability and repeatability”
- “Love the Haas line”

Automation Success

TooHighPSI – VF-2SSYT Pallet Pool 3+1

- <https://youtu.be/fzB96AoRzm0?si=t9TyTbhHINjFfhFN>



Customer Profile

- Location - CA
- Aftermarket Automotive Mfg.
- Haas user since 2018
- Two Haas Machines (Prev. 4)
- No other CNC
- No Prior Automation Experience
- Small Shop

9k/1.5yrs (5/2/23)

Automation Success



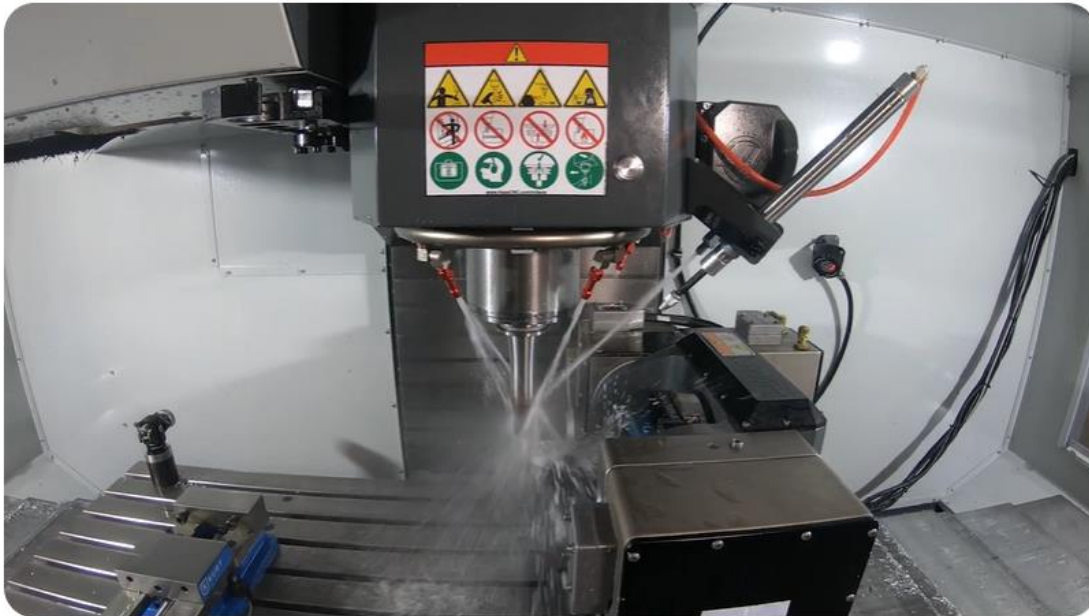
- VF-2SSYT w/ 3+1 Pallet Pool
- Consolidate Multiple Parts
- Variety of Larger Parts
- “VF Pallet Pool easy to understand...stepping-stone”
- Flexibility of multiple parts
- Expand capacity & increase

- production
- 2 hr. runtime w/ 4 Pallets = 8 hrs. unattended
- High-mix/Low-volume
- “Goal is to load as many parts as possible”
- “Keep pallets clean, Chip Fan game changer”
- “Chip conveyor is Awesome, use with unattended machining”
- Being able to load/unload parts while spindle turning
- “Nesting 8 parts w/ 6 hrs. runtime”
- “Haas Control is a Plus!”

Automation Success

Boulevard Machine & Gear – VFs w/ Trunnion & UMC-750

- <https://www.youtube.com/watch?v=vAlpmrnSWjo>

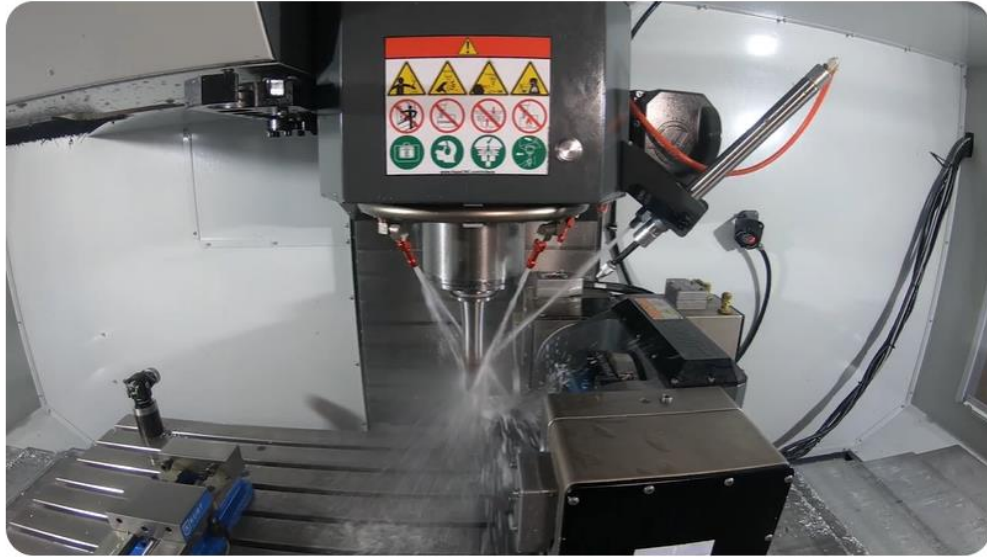


Customer Profile

- Location - MA
- Job Shop - Aerospace & Defense
- Haas user since 2009
- Eight Haas Machines
- No other CNC
- No Automation Yet...
- <25 Employees

4.7k/3yrs (2/19/22)

Automation Success



- UMC-750
- VFs with 5-Axis Rotary
- Able to handle larger 5-Axis parts
- Consolidate Multiple Operations
- Reduced 10 Ops to 2 Ops
- Longer runtimes, tighter tolerance
- Large selection of Haas Models Available
- Use of larger tool changers, less set-up
- “Replaced old machines with 8 new Haas and turned the company around”
- Tier One supplier to Aerospace Industry
- Note - Non-SS UMC – Speed Limitation of B/C Axes

Automation Success

DesignWerkes – UMC-750 & VFs w/ Trunnion

- <https://www.youtube.com/watch?v=9B2R72gwhgQ>



Customer Profile

- Location - MA
- Job Shop - Aerospace & Defense
- Haas user since 2009
- Eight Haas Machines
- No other CNC
- No Automation Yet...
- 66 Employees

2.6k/3yrs (2/19/22)

Automation Success



- Transition to 5-Axis
- UMC-500
- UMC-750
- EC-400PP
- Longer runtimes, tighter tolerance

- Use of HSM to machine Billet vs. Castings
- Deep Cavity Machining – G187 w/ P Value
- 3.5 hr Runtime UMCs
- 2.0 hr Runtime on EC-400PP
- “Able to do more with less”
- Note - Non-SS UMC – Speed Limitation of B/C Axes

Automation Success

TMF Center – VF-2 w/ APL

- <https://www.youtube.com/watch?v=wGaAYjirP5k>



Customer Profile

- Location - MA
- Job Shop – Tier 1 to Caterpillar
- Haas user since 2020
- Ten Haas Machines
- No other CNC
- No Previous Automation
- 234 Employees

4.4k/3yrs (2/19/22)

Automation Success



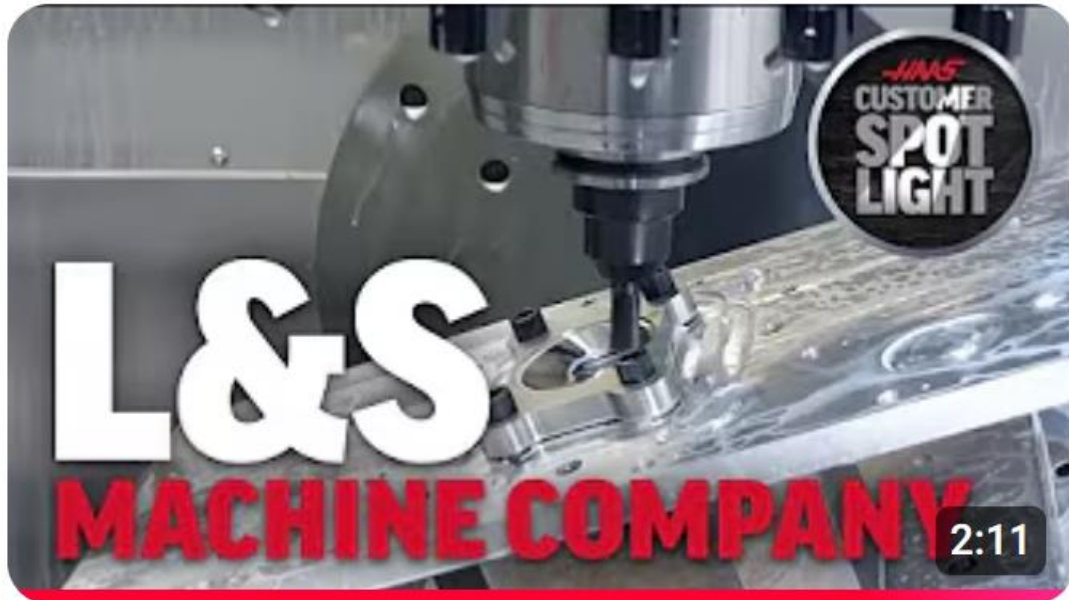
- VF-2 with APL
- Moving to Automation
- “Automation used to be a pie in the sky dream”
- “Game Changer”

- High Volume Runs
- Running 8 to 12 Hours a day
- Helping with issues finding employees
- “The Beauty is its Simplicity”
- Labor-less Machining
- Three more machines on order...
Installed and Running
- **ST-25APL, VF-2APL, 5 ST-25Y**
- **HRP-2 25kg Robots, VF-2APL**
- **Added 3 UMC-500s since 2021**
- **Looking at 3 VF-2s w/ HC10 Cobots**

Automation Success

L&S Machine Co. – 3 UMC-750s

- <https://www.youtube.com/watch?v=fTPXeyVAVFE>

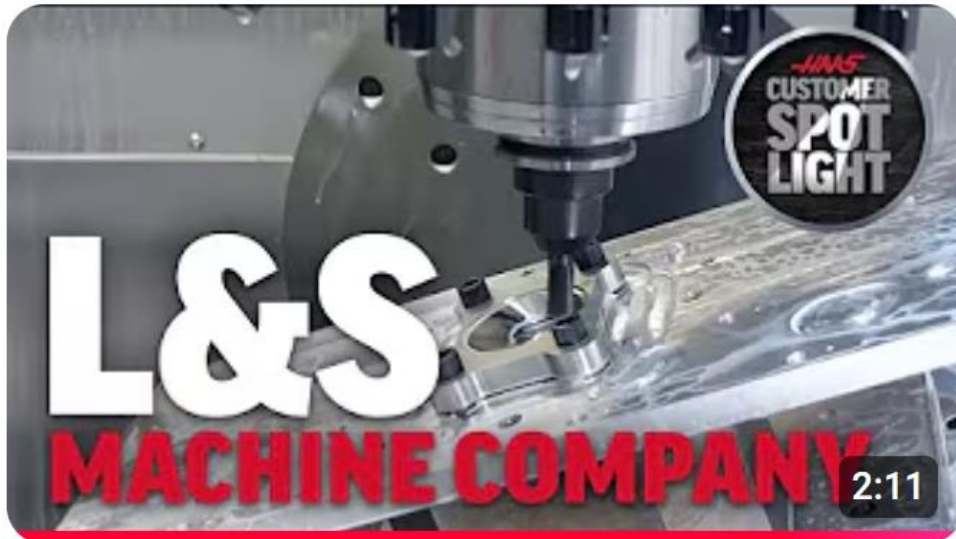


Customer Profile

- Location - PA
- Job Shop –
- Haas user since 2010
- Eighteen Haas Machines
- No other CNC
- Previous Automation – Midaco APC
- 73 Employees

6.8k/3yrs (2/17/22)

Automation Success



- Benefits of 5-Axis Machining
- Three UMC-750s
- Able to handle a variety of parts
- Consolidate Multiple Operations

- Reduce most jobs to 2 Ops (5+1)
- Longer runtimes, tighter tolerance
- Use of larger tool changers, less set-up
- Replaced VF machines with 3 UMC-750s
- Standardized on Haas to address Skills Gap
- Chose Haas – Price, Delivery, Maintenance, Uptime of Machines
- **Led to Purchase of UMC-500 Pallet Pool (4th)**

Automation Success

Cat-Wood Metalworks – 1 + 2 + 2 UMC-500SS

- https://youtu.be/6uHrUhiat_Y?si=qrpOPSjTWhLRQd3e



Customer Profile

- Location - OH
- Job Shop – Aerospace
- Haas user since 2012
- Sixteen Haas Machines
- Some other CNCs (Turning)
- Other Automation – Erowa Robotic Pallet Loader (Prior to RPL)
- <25 Employees

2.3k/3yrs (2/19/22)

Automation Success



- Journey to 5-Axis
- Four UMC-500SS (1st led to 4 more)
- Able to handle a variety of parts
- Consolidate Multiple Operations
- Reduce most jobs to 2 Ops (5+1)

- “Going to 5-Axis – Game Changer”
- Longer runtimes, tighter tolerance
- Use of larger tool changers, less set-up
- More than a dozen VF machines
- Standardized on Haas
- “Able to increase production and getting it done faster”
- **2 of UMC-500SS w/ Erowa Robotic Loader (Prior to RPL)**

Automation Success

Clippard Instrument Lab – UMC-500SS 16+1 Pallet Pool

- <https://www.youtube.com/watch?v=Kkn8dwOfiUw>



Customer Profile

- Location - OH
- Mfg. Solenoids
- Haas user since 2010
- Ten Haas Machines
- Other CNC - Swiss
- Previous Automation – Barfeed
- 389 Employees

12k/3.5yrs (8/30/21)

Automation Success



- Believe in unattended machining
- Runs 100s of parts
- Better Accuracy
- Better Surface Finish
- Faster turnaround
- “Helped secure large order and retain good customer”

- UMC-500SS 16+1 Pallet Pool
- Combined Operations (6 to 2)

Automation Success

Micro-Cut Engineering – VF-2SS w/ APL

- <https://youtu.be/UZ7lqfWnHkw?si=0MdN2q-XvEgi9KIA>



Customer Profile

- Location - IL
- Job Shop & Mfg. Impact Wrenches
- Haas user since 2005
- Twelve Haas Machines
- Some older CNC
- No Previous Automation
- <25 Employees

7.9k/3.5yrs (7/27/21)

Automation Success



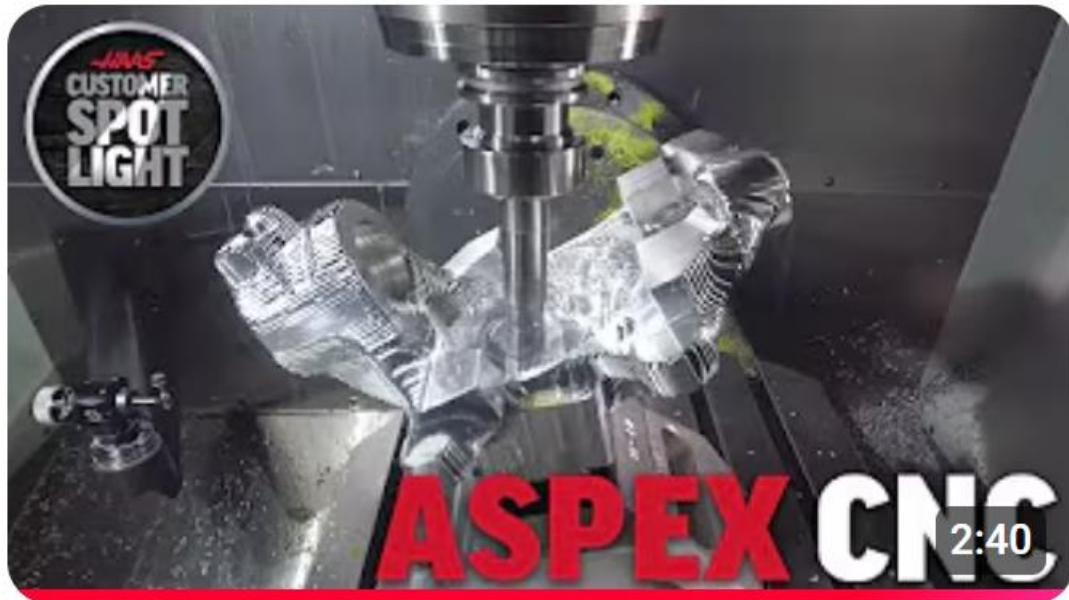
- VF-2SS with APL
- From manual vises to Automation
- “Single Source Solution is where it’s at”

- “Simple, effective, Automation”
- “Let the machine run at night”
- “Use of VPS Templates is Brilliant”
- Purchased with Multi-Auger
- Added VF-2SSYT w/ Pallet Pool
- Have UMC-400 w/ Cobot on Order

Automation Success

Aspex CNC – UMC-750SS

- https://youtu.be/J_z7glcNJ0Q?si=wDDcLSDTJT9EYQgx



Customer Profile

- Location - CA
- Job Shop
- Haas user since 2010
- Fifteen Haas Machines
- Some older CNC
- Automation Experience – N/A
- 53 Employees

16k/6.5yrs (7/4/18)

Automation Success



- UMC-750SS
- Combined Operations

- Reduced 5 set-ups to 2
- “Freed a guy up to do other things”
- “Tired of being let down by outside sources”
- “Haas is a good value”
- “They have good resale value”
- “Low Risk”
- “2nd UMC on the way” – **Installed and Running!**

Automation Success

Buckeye Design – ST-25Y w/ Barfeed

- <https://youtu.be/vgiFVOIhI7M?si=f4lrkOS9EO3woRG1>



Customer Profile

- Location - OH
- Job Shop
- Haas user since 1999
- Sixteen Haas Machines
- Automation Experience – N/A
- <25 Employees

14k/3yrs (2/19/22)

Automation Success



- ST-25Y w/ Barfeed
 - Liked it so much...
- Second ST-25Y w/ Barfeed
 - Live Tooling & Milling

- DS-30Y
 - Reduced 3 ops to One & Done
- “We run mill parts on the lathe because the barfeed is like a robot”
- Combined Operations
- Unattended Machining
- **Just installed a UMC-1000PP**

Automation Success

Lyntech Eng. – 6 EC-400s

- <https://www.youtube.com/watch?v=sWgCv33Ycb0>



Customer Profile

- Location - IN
- Job Shop
- Haas user since 2008
- Seventeen Haas Machines
- Automation Experience – Swiss
- <25 Employees

10.2k/3yrs (2/19/22)

Automation Success



- Transition from Verticals to Horizontals
- “Get the Load/Unload for Free”

- More Spindle Uptime
- “Tool Life Management is really important – Haas TLM is 2nd to none!”
- Use Probing to hold critical dimensions
- Haas machines are stable machines
- Combined Operations
- Unattended Machining
- “We know we can rely on Haas”

Automation Success

Jeniko Machine Works – UMC-750

- <https://www.youtube.com/watch?v=S1UnvdxvCo>



Customer Profile

- Location - IL
- Job Shop
- Haas user since 2023
- One Haas Machine
- Automation Experience – Swiss
- <25 Employees

4.3k/1yr (2/10/24)

Automation Success



- Standalone UMC-750
- Typically buy High-End Machines

- “25 Years ago, I said I would never buy a Haas machine”
- “Now I have my first Haas”
- “Haas knows what machinists need”
- Combining Operations
- Holding critical tolerance
- Good surface finishes
- “It won’t be another 25 years before I buy my next Haas”

Automation Success

American Torch Tip – STs, APLs & Robots

- <https://youtu.be/4Y23Am34gto>



Customer Profile

- Location - FL
- Mfg. Welding Equipment
- Haas user since 1998
- Nine Haas Machines
- Automation Experience – Swiss
- 144 Employees

Automation Success



- Lathe Part Tending – Lathes, APLs & Robots, Oh My!
 - 3 ST-20Y w/ Finishing Spindles
 - 24 hrs./day – 5.5 days/wk.
 - APLs made it easy to get into Automation
- Robot Package was Plug & Play
 - Robot has smaller footprint, with faster load/unload times
 - Increased Production by 250%
 - Machines run for 72 hours w/o stopping
 - Combined Operations w/ Live Tooling & Sub
 - “Pandemic forced a new way of thinking”
 - *“We finally bought one . . . [Robot Package] and that was nice, because it was all plug-and-play.”*

Automation Success

Lincoln Tool & Machine – VFs w/ TRs & TRTs

- https://www.youtube.com/watch?v=2ilxSP_9D7M



Customer Profile

- Location - MA
- Job Shop
- Haas user since 2018
- Eight Haas Machines
- Automation Experience – Yes FMS
- 26 Employees

4k/3yrs (2/19/22)

Automation Success



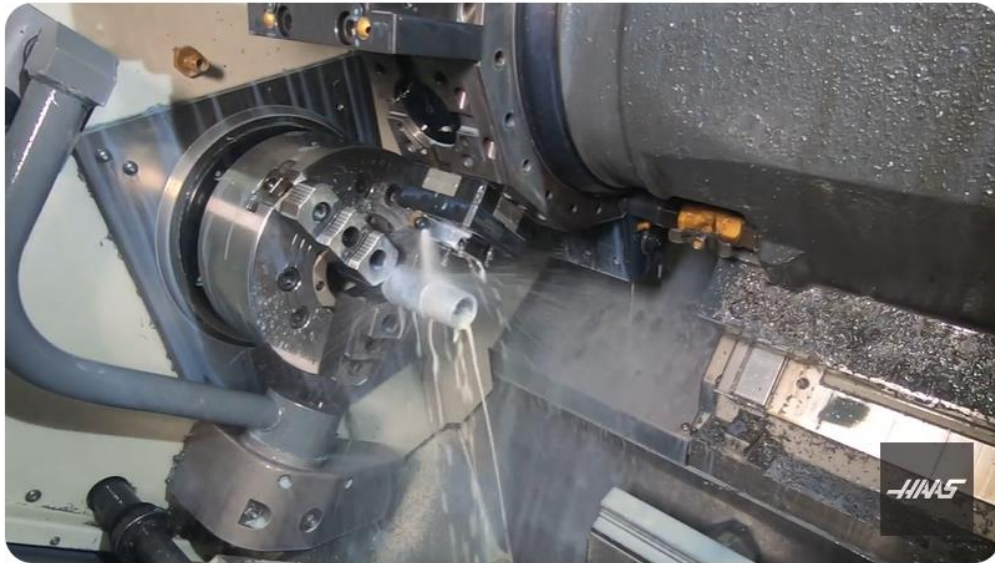
- 5-Axis Solution Exceeds Expectations
- VFs w/ TRs & TRTs

- Multi-Spindle & Dovetail
- Multiple jobs with no set-up
- Take advantage of larger tool changers
- Led to purchase of Pallet Pool
- 300 Series Stainless w/ 110 GD&T Features
- Combined Operations
- Combined Multiple Parts
- **Added UMC-500SS Pallet Pool**

Automation Success

Innovative Machining Solutions – DS-30Y with Barfeed

- <https://www.youtube.com/watch?v=4-oQm5X5i3Y>

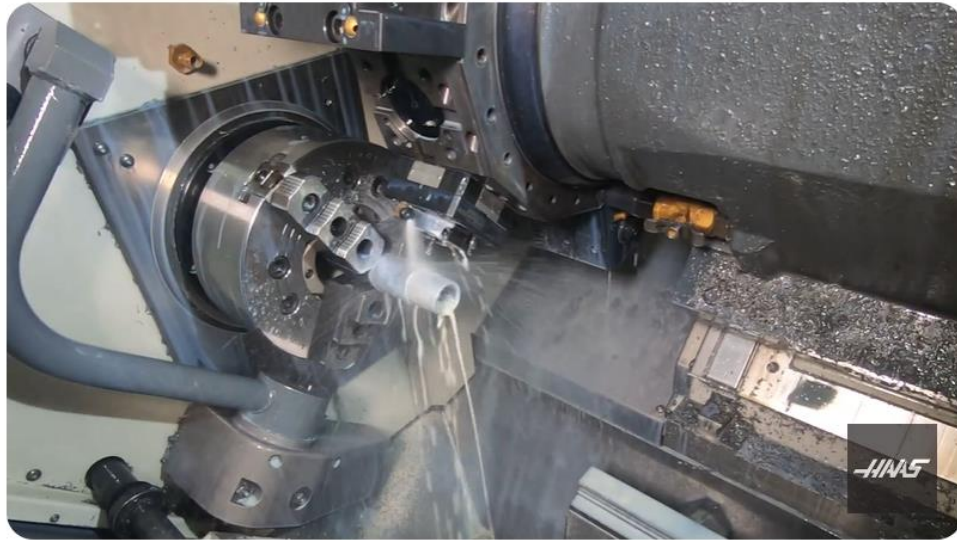


Customer Profile

- Location - OH
- Job Shop
- Haas user since 2014
- Twenty Haas Machines
- No Automation Experience Yet
- 10 Employees

7.6k/3yrs (2/19/22)

Automation Success



- DS-30Y with Barfeed
- Y-Axis, Sub-Spindle Machining

- Combined Operations w/ Live Tooling & Sub
- One-Op Drop Dual-Spindle Parts
- UMC-750, 5-Axis Reduces Number of Fixtures Needed
- 5-Axis Reduced Turnaround Time from 4 months to 5 days
- HRT-160SS Reduced Cycle-Time by 20%

Automation Success

Sirois Tool – DS-30Y Add a Barfeed & UMC-750

- <https://www.youtube.com/watch?v=Vbx47alaOjs>



Customer Profile

- Location - CT
- Job Shop
- Haas user since 2005
- Ten Haas Machines
- No Automation Experience Yet
- <25 Employees

2.4k/3yrs (2/19/22)

Automation Success



- Combined Operations w/ Live Tooling & Sub
- UMC-750, 5-Axis
- Reduces Number of Fixtures Needed

- DS-30Y – Added a Barfeed
- Y-Axis & Dual Spindle

Automation Success

Rimeco Products – VFs w/ TRs & TRTs

- <https://www.youtube.com/watch?v=slr500JtnVk>



Customer Profile

- Location - CT
- Job Shop & Workholding Fixtures
- Haas user since 1998
- Twelve Haas Machines
- No Previous Automation
- 58 Employees

3.9k/3yrs (2/19/22)

Automation Success



- 5-Axis Solution Exceeds Expectations
- VFs w/ TRs & TRTs

- Multi-Spindle & Dovetail
- Multiple jobs with no set-up
- Take advantage of larger tool changers
- Led to purchase of 3 UMC-500SSs
- Combined Operations
- Combined Multiple Parts
- Added ST-20APL
- Added DS-30Y w/Robot
- Added ST-20 w/Cobot

Automation Success

Kerek Industries – DS-30Y with Barfeed & UMC-750SS

- <https://www.youtube.com/watch?v=LrgAAVBjD4M&t=1s>



Customer Profile

- Location - CT
- Job Shop & Workholding Fixtures
- Haas user since 1997
- Six Haas Machines
- Automation Experience - Swiss
- <25 Employees

4.5k/3yrs (2/19/22)

Automation Success



- Reduced Cycle-Time by 20%
- UMC-750SS, 5-Axis Reduces Number of Fixtures Needed
- “new way of thinking”

DS-30Y with Barfeed

- Y-Axis & Dual Spindle
- Combined Operations w/ Live Tooling & Sub

Automation Success

Alpine Precision Inc. – VF-2SSYT w/ Pallet Pool 6+1



Customer Profile

- Location - MT
- Job Shop
- Haas user since 1994
- Seventeen Haas Machines
- Automation Experience – Robot Loader
- <25 Employees

Automation Success

Alpine Precision Inc. – VF-2SSYT w/ Pallet Pool 6+1 Play Video



Automation Success



- VF-2SSYT w/ 6+1 Pallet Pool
- Variety of Larger Parts
- Flexibility of multiple parts
- Expand capacity & increase production
- High-mix/Low-volume

- “Labor Force in Montana, Non-Existent”
- “Running 14 hrs Unattended”
- Also Have 2 UMC-750SS
- VF-4SS w/ Trunnion
- ST-30Y w/ Finishing Spindle, No BF
- Thinking about a UMC-500SS PP

Automation Success

JR Engineering – DM-2 w/ HC10 Cobot



Customer Profile

- Location - CA
- Job Shop
- Four Haas Machines
- No Prior Automation Experience
- 1 Employee

Automation Success



- High-mix/Low-volume
- “Ran 20 hrs Unattended”

- DM-2 w/ HC10 Cobot
- 4130 Steel Parts
- Finished a 2000 pc run in 1/3 the time
- Expand capacity & increase production

Automation

Automation Success



- Why We're Called Haas Automation - <https://www.youtube.com/watch?v=00FIDDFvi5Q>



Robotic Pallet Loader



- Available for:
 - UMC-500/750/1000
 - VF-1/2/3/4/5
- 17 sold
 - 12 UMCs
 - 5 VFs
- Integrated with the Haas control for easy set up and pallet scheduling
- 2nd shelf coming Q2-2025



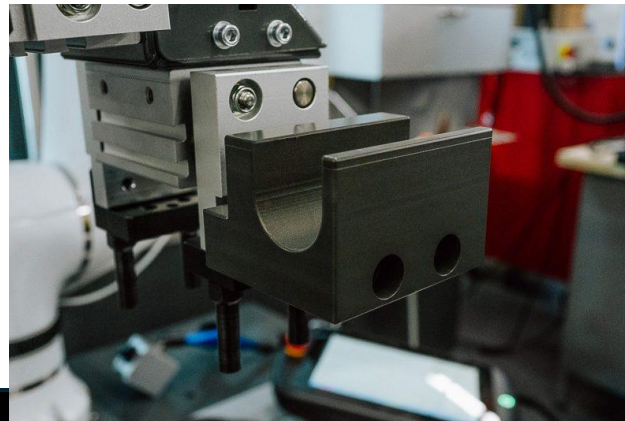
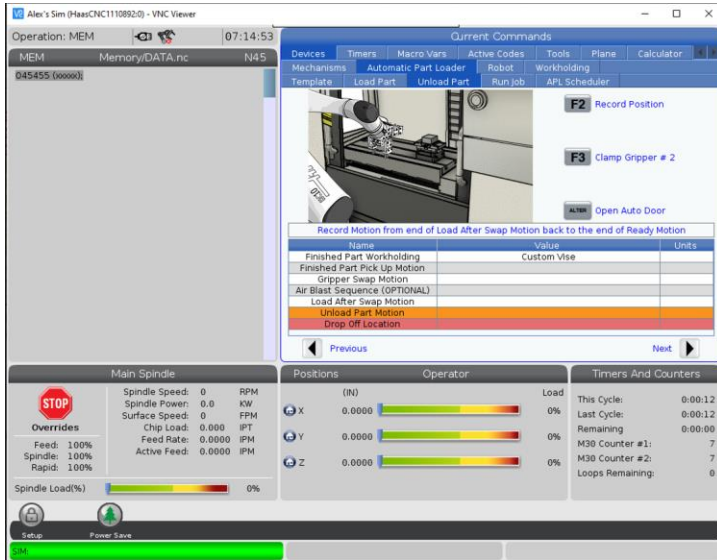
Extensive Robot Offerings

- Robots are available for more than 80 different Haas machine models



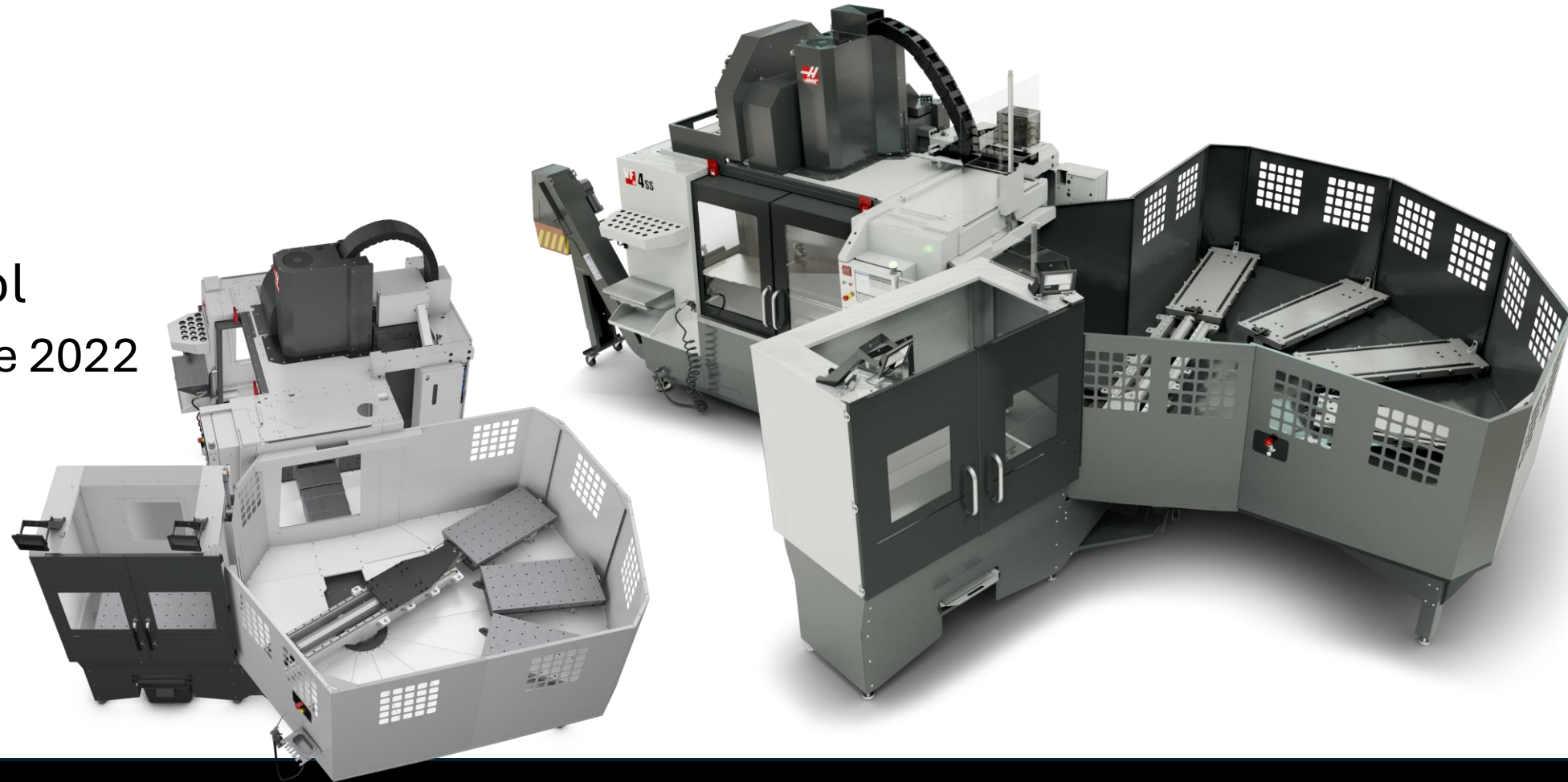
Robot Options

- No easier integration of cobots/robots and CNC control than Haas
- Multiple material handling, safety, and gripper options

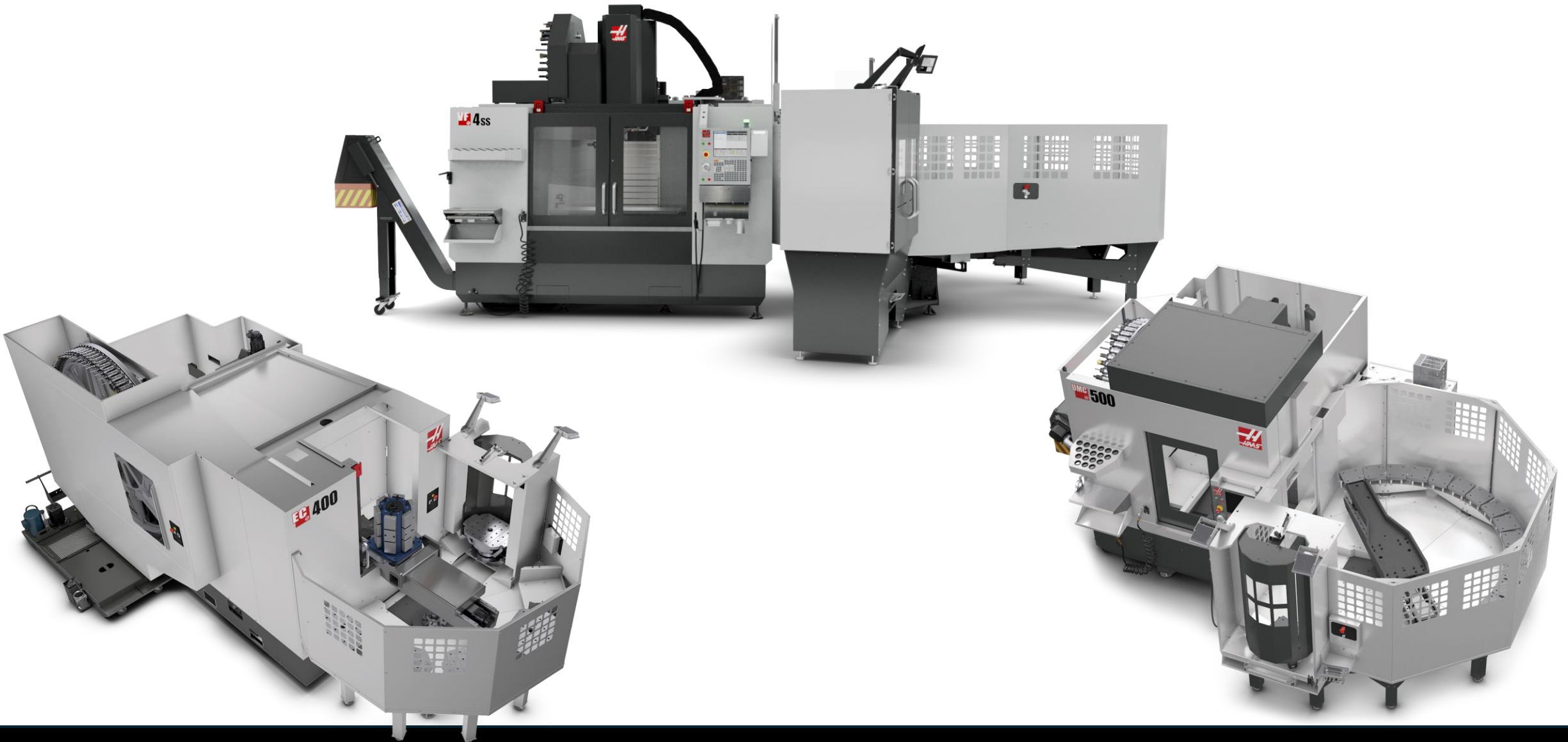


VMC Pallet Pools

- VF-4 Pallet Pool
 - Expanded to VF-4, based on the success of the VF-2 Pallet Pool
 - 4 sold
- VF-2 Pallet Pool
 - 125 sold since 2022



Pallet Pools for VMC, HMC, and UMC



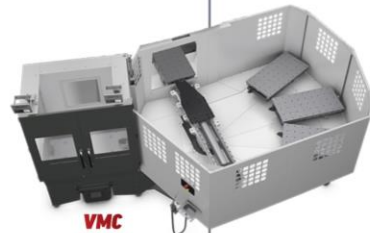
Full Automation Line Up



MILL AUTOMATION

LATHE AUTOMATION

MILL PALLET POOLS



VMC



3+1 Pallet Pool
VF-2YT VM-2
VF-2SSYT



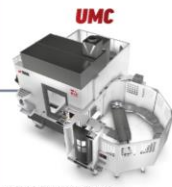
5+1 Pallet Pool
VF-4
VF-4SS



6+1 Pallet Pool
VF-2YT VM-2
VF-2SSYT



6+1 Pallet Pool
EC-400



UMC

10+1 Pallet Pool

UMC-500 UMC-500SS
UMC-750 UMC-750SS
UMC-1000 UMC-1000SS



20+1 Pallet Pool

UMC-500
UMC-500SS



6+1 Pallet Pool
UMC-1250
UMC-1250SS

MILL AUTOMATIC PARTS LOADERS



MILL AUTOMATIC PARTS LOADER

VF-1 VM-2
VF-2 VF-2YT
VF-2SS VF-2SSYT



UMC AUTOMATIC PARTS LOADER

UMC-500
UMC-500SS



COMPACT AUTOMATIC PARTS LOADER

Mini Mill Super Mini Mill DC-1
DTs DMs
VF-2 VF-2SS
VF-2YT VF-2SSYT

MILL ROBOTS



COBOT 5kg
COMING Q2 2024



COBOT 10kg
MM SMM
DT/DM Models
VF-1 to VF-2



COBOT 15kg
COMING Q2 2024



7kg CAPACITY ROBOT SYSTEM

DT/DM Models
VF-1 to VF-2
UMC-500 UMC-500SS



25kg CAPACITY ROBOT SYSTEM

VF-1 to VF-5
UMC-500 UMC-500SS
UMC-750 UMC-750SS
UMC-1000 UMC-1000SS



50kg CAPACITY ROBOT SYSTEM

VF-6 to VF-11



ROBOTIC PALLET LOADER

All UMCs
VF-1 to VF-5
VM-2, VM-3

LATHE AUTOMATIC PARTS LOADERS



HAAS BAR FEEDER



HAAS BAR FEEDER
ST-10 to ST-35



LATHE AUTOMATIC PARTS LOADER

ST10Y ST-20 ST-25 ST-28
ST-15Y ST-20Y ST-25Y ST-28Y

LATHE ROBOTS



COBOT 5kg
COMING Q2 2024



COBOT 10kg
ST-10 to ST-28



COBOT 15kg
COMING Q2 2024



7kg CAPACITY ROBOT SYSTEM
ST-10 to ST-28



25kg CAPACITY ROBOT SYSTEM
ST-20 to ST-35
DS-30Y



50kg CAPACITY ROBOT SYSTEM

ST-30 to ST-35

New Products 2025

Side Loading APL

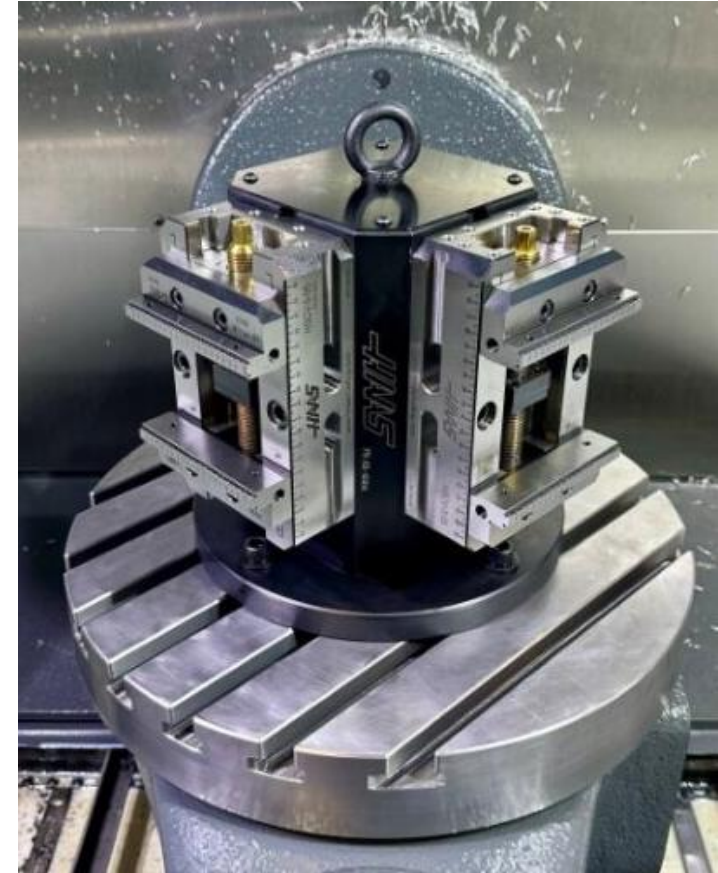
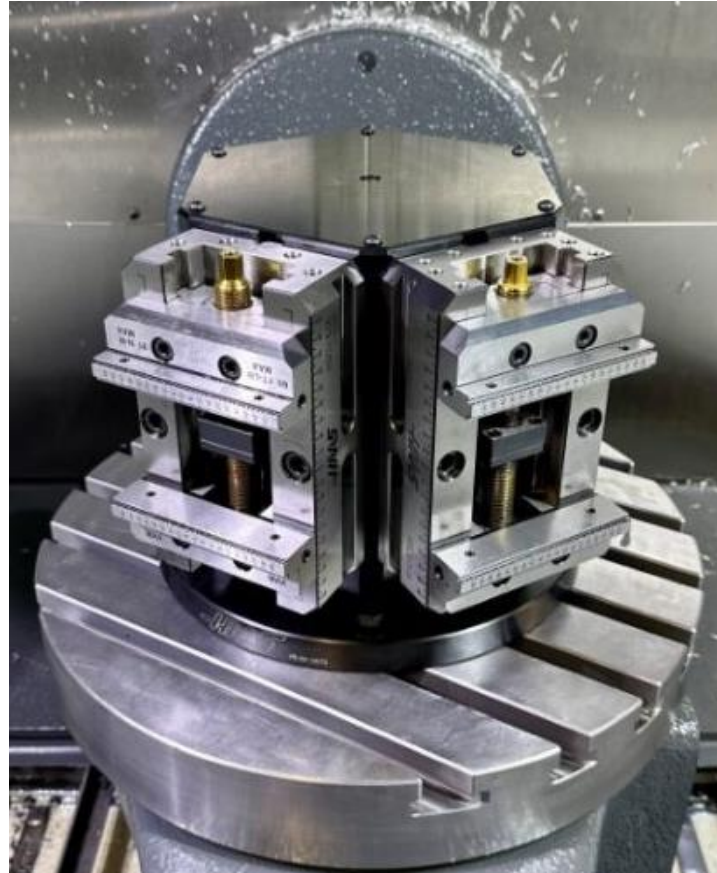
- Side-Loading APL for small VFs
- Available Q1-2025



Haas Tooling & Ecom Update

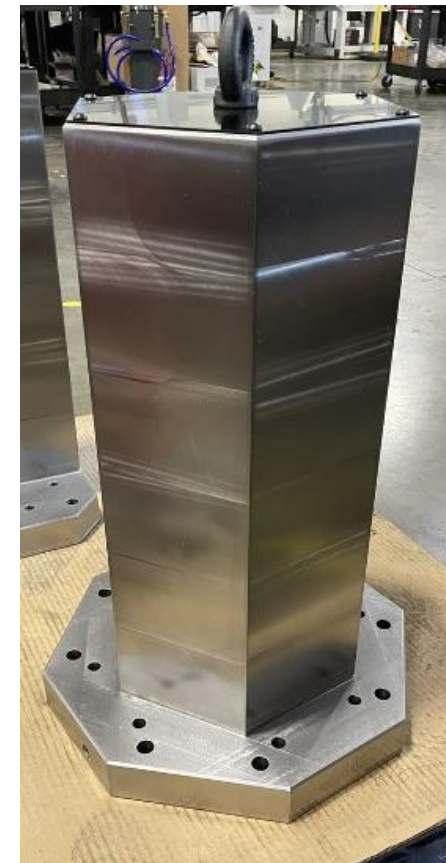
New Haas Tooling: UMC Tombstones

- Complete line of tombstones for UMCs
 - Pyramid
 - Square
 - Hex

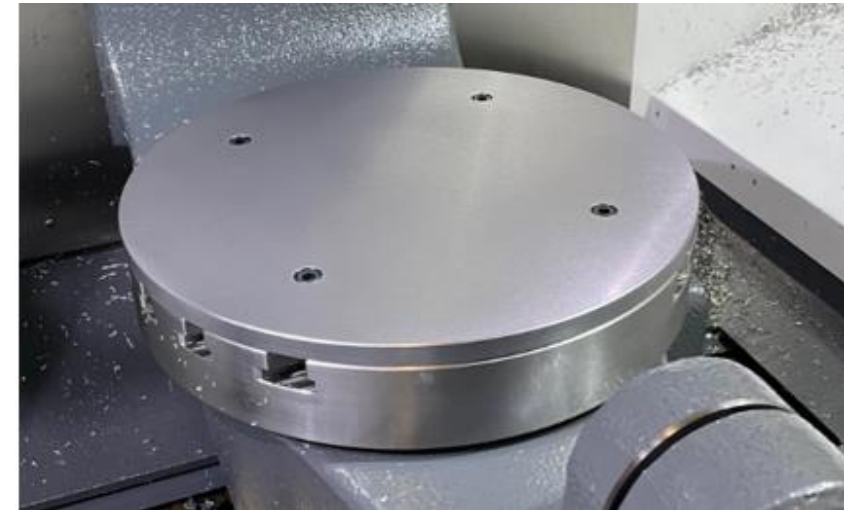
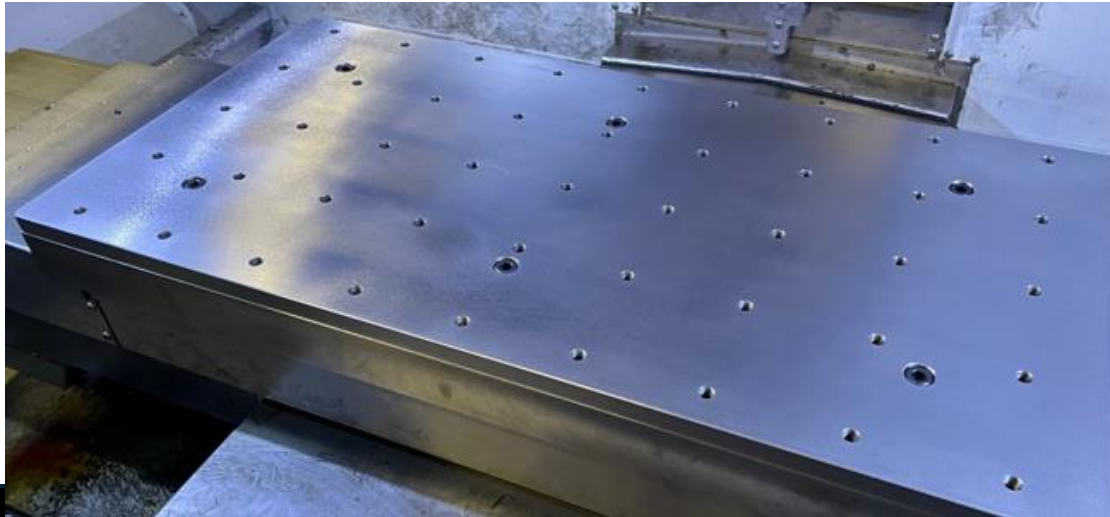
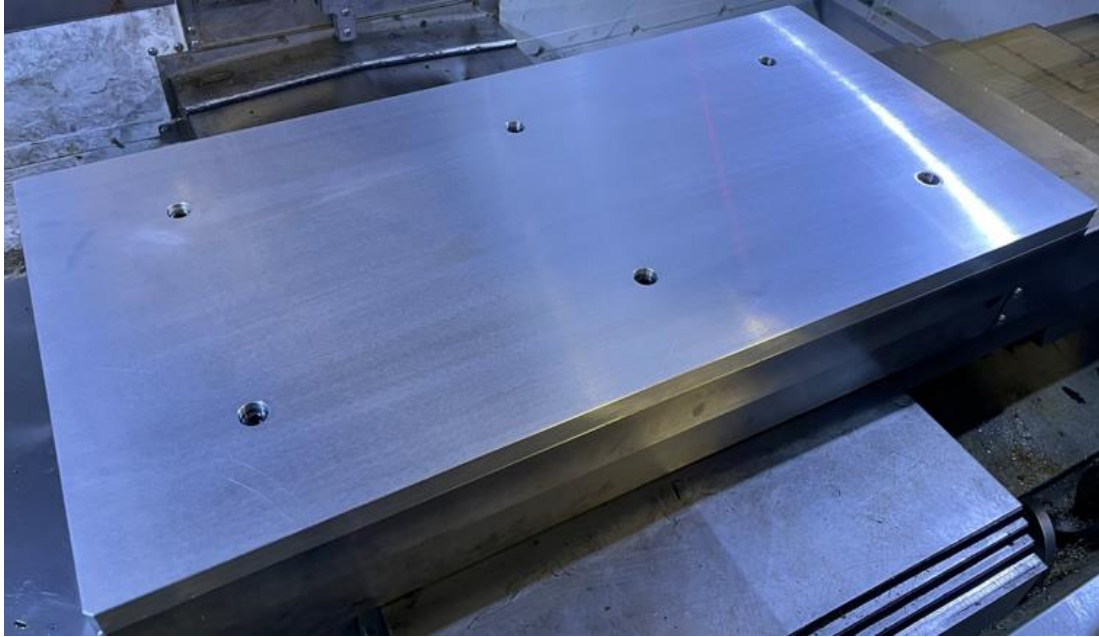


New Haas Tooling: HMC Tombstones

- Tombstones for EC-400, EC-500, and EC-630
- Square, T-shaped, 6-sided



New Haas Tooling: VF and UMC Subplates



Thank You