Small-footprint, affordable
# CHUCKER LATHE
for prototyping or production work

CL 1

# SMALL FOOTPRINT BIG IMPACT

The innovative Haas CL-1 is an ultra-compact CNC chucker lathe that comes standard with an 8-station automatic turret, making it perfect for high-volume production of small, precision parts, such as those found in the communications, aerospace, medical, and dental industries. The CL-1 can be moved easily with a pallet jack or equipment dolly, and is small enough to fit into most freight elevators.
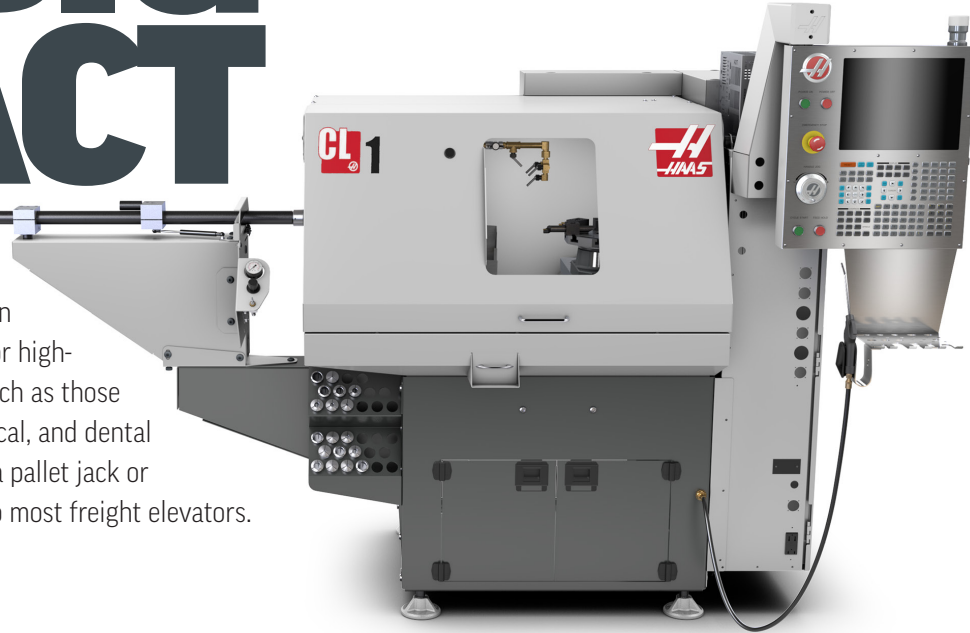


## SWING DIAMETER

| | | |
|---|---|---|
| Over Cross Slide | 11.0 in | 279 mm |
| Over Table | 4.95 in | 126 mm |

## CAPACITIES

| | | |
|---|---|---|
| Chuck Size (max) | 4.0 in | 102 mm |
| Max Cutting Diameter | 5.0 in | 126 mm |
| Bar Capacity | 1.00 in | 25 mm |

## TRAVELS

| | | |
|---|---|---|
| X Axis | 12.0 in | 305 mm |
| Z Axis | 8.0 in | 203 mm |

## FEEDRATES

| | | |
|---|---|---|
| Max Cutting | 500 ipm | 12.7 m/min |
| Rapids on X | 757 ipm | 19.2 m/min |
| Rapids on Z | 757 ipm | 19.2 m/min |

## AXIS MOTORS

| | | |
|---|---|---|
| Max Thrust X | 1149 lbf | 5111 N |
| Max Thrust Z | 1149 lbf | 5111 N |

## SPINDLE

| | | |
|---|---|---|
| Spindle Nose | 5C (collet) Type Nose | |
| Drive System | Direct Speed, Belt Drive | |
| Max Rating | 5.0 hp | 3.7 kW |
| Max Speed | 6000 rpm | 6000 rpm |
| Spindle Bore ø | 1.25 in | 31.8 mm |

## TOOLING

| | |
|---|---|
| Tooling | Gang Style-Any Combination |

## PARTS CATCHER

The CL Parts Catcher rotates into position to catch the finished part as it is cut off, and directs it into a bin located on the front of the machine. It is easily adjusted to accommodate different part-off locations, and finished parts can be retrieved without opening the door.

- Allows for unattended machining
- Fully integrated with the Haas control; activated by M-code
- Easily adjusts for different part-off locations
- Allows retrieval of finished parts without opening the door



## LIVE TOOLING

Our 6000-rpm Live Tooling option for the CL-1 features dual ER-11 spindles that accept 1/16" - 1/4" (1.59 - 6.35 mm) tools. It includes fully synchronized C-axis motion, allowing you to perform secondary milling operations around the diameter of the part.
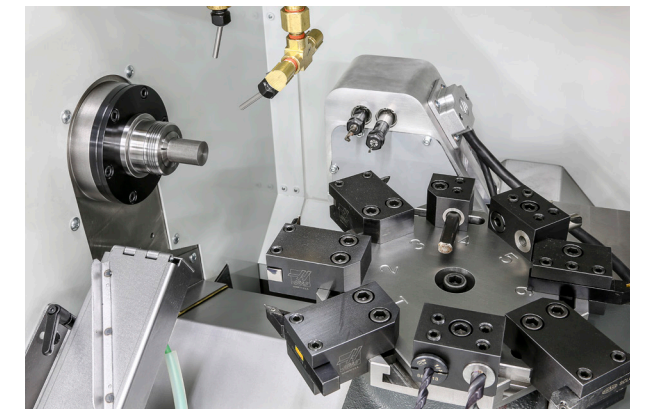
## TOOL TURRET

The CL-1 comes standard with an 8-station automatic tool turret. This turret accommodates gang-style tooling with 1/2" (12.7 mm)centers.
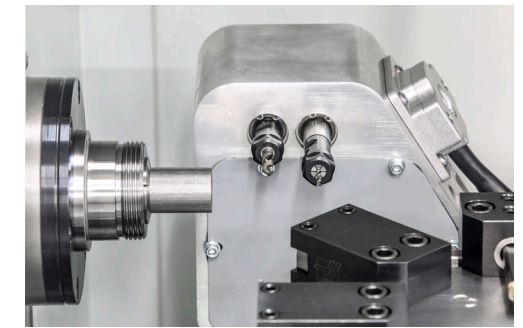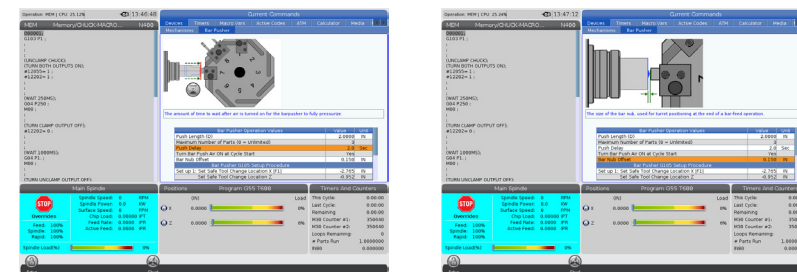
## SPINDLE

The CL-1 features a 6000-rpm 5C collet spindle designed specifically for bar feeding operations. For larger diameter parts, a 4" (102 mm) manual 3-jaw scroll chuck can be mounted to the spindle nose. All Haas spindles are designed and built in-house at our Southern California manufacturing facility.
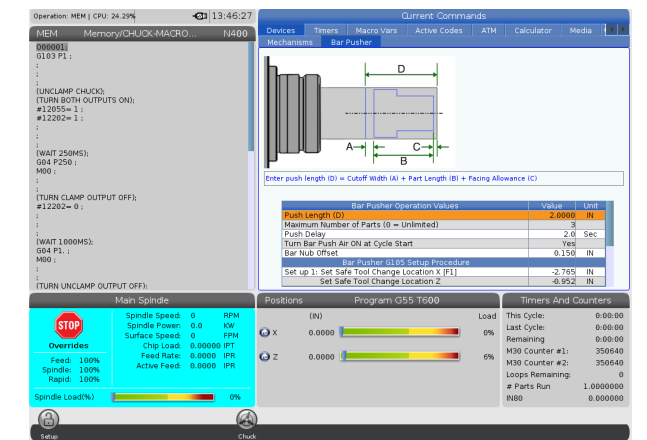
## VISUAL PROGRAMMING SYSTEM

The Haas Visual Programming System uses graphical templates and a form-like interface to help you quickly create G-code programs for not only basic part features, but also more complex operations, like Y-axis milling/drilling, probing, and more. Simply define the feature in the template, and VPS then outputs working G-code at the touch of a button. VPS also includes a custom template generator, so you can create templates for your own part features or frequently used programs.

# Automate Your
# Turning Center Production

## CL-1 Bar Feeder

Boost throughput and automate small-parts production on your CL-1 Chucker Lathe with our fully integrated pneumatic bar feeder. The CL-1 Bar Feeder automatically loads 0.25" (6.35 mm) to 1" (25.4 )diameter bars, and is available in two sizes to handle either 40" (1 m) or 72" (1.8 m) long bars for extended production runs and unattended operation.

• Easy-to-use interface in the Haas control

• Simple bar loading procedure

• Available to handle either 40" (1 m) or 72" (1.8 m) bars

• Fully integrated automation solution

Note: Spindle speed is limited to 3000 rpm when using the bar feeder.



# WE ARE INDUSTRY 4.0 READY

## TECHNOLOGY FOCUS:
# Make the Connection with HAASCONNECT



The Haas Control has the ability to send you, and others you designate, email notifications about the operating status of your Haas machine. Set up is simple and easy through the MyHaas Portal and HaasCNC.com.

## GET YOUR MACHINE STATUS NOTIFICATIONS ANYWHERE. ON ANY DEVICE.

Go to HaasCNC.com and click on MyHaas to get set up on HaasConnect.

Haas
F1 Team
OFFICIAL MACHINE TOOL