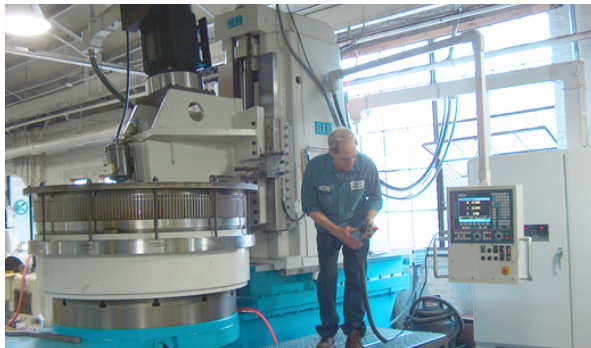
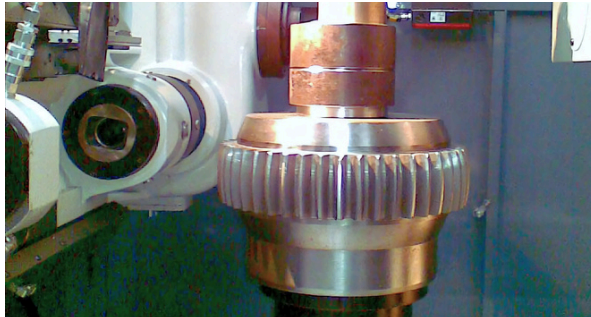


Fagor Automation Gear Hobbing Solutions

For over 25 years, Fagor Automation has been setting the standard in on-machine programming, leading the way with our conversational cycle solutions for lathes and milling machines. Today, while we continue to excel in these areas, we are also driving our **GEAR HOBGING** line forward with powerful innovations and updates that take this technology to the next level.

Programming has never been easier. Thanks to its conversational interface, you can program complex operations without any knowledge of ISO code. Follow step-by-step instructions, reduce your time to edit your parts and work safely avoiding programming errors.

The simplicity of our cycles allows quick training of new operators who will be productive in a few hours.



Open
to your
world

www.fagorautomation.com/en-us/



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world



CNC Gear Hobbing Advanced Solutions

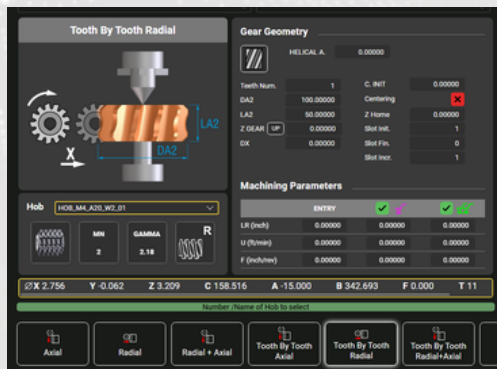
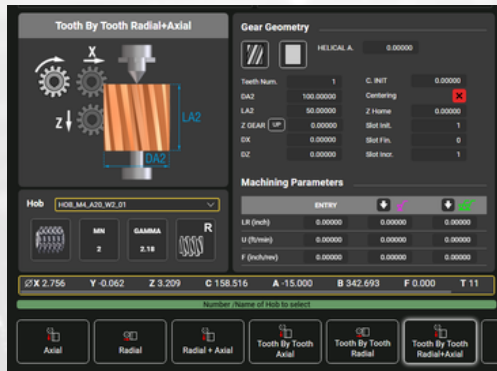
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Gear Hobbing Cycles

We offer an adapted working environment including cycles for the most common operations for this kind of machines. You will find cycles like...

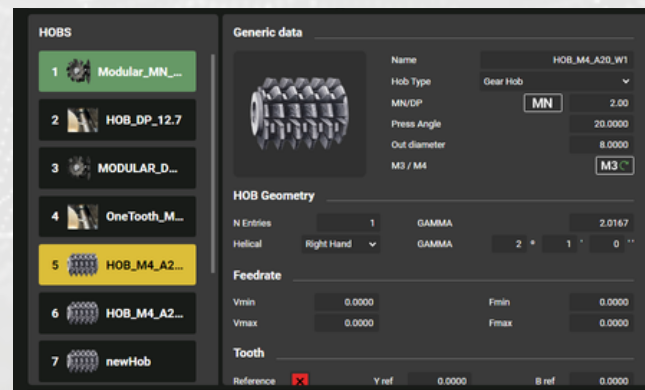
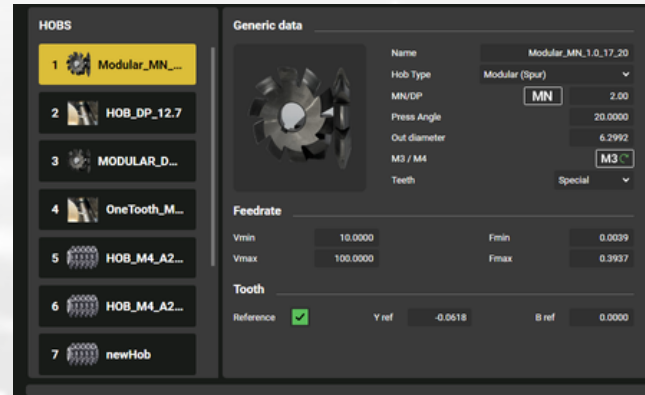
- Tool table with data for HOB and modular cutter.
- Spur gears, helical gears, with straight, conical, crowned concave and convex profiles.
- Machining cycles with HOB tool and gear rotation synchronized by the CNC in its kernel.
- Machining cycles with modular disc cutter, tooth by tooth.
- Y-axis shifting to utilize the entire hob.

Fagor CNCs also offer as standard the possibility of adapting the work interface to the operator and the particularities of the machine. Customized cycles can be added to facilitate the machining of the parts that the customer needs to perform.



Gear Hobbing Tool Table

In a very simple and intuitive way, the operator will be able to define the characteristics of the hobbing tool to be used, as well as the data of the part to be machined... Once the information has been defined, the CNC will automatically manage the hobbing processes during machining and will notify the operator when the hob tool needs to be replaced or adjusted.



Simulate Gear Hobbing with HD Graphics

The HD graphics are primarily useful in the following situations:

- Before machining: To check that the program is correct and prevent interference or collision with the finished part or the fixture.
- While machining: When the visibility is low (e.g. due to coolant or chips) and it is difficult to view the actual machining status at any time.

While machining a part, the CNC offers you the possibility to prepare and simulate the next part.

- Zoom in/out, part rotation, etc.
- Select preset views of the part.
- Select the type of graphics to display.
- Define the part dimensions to be machined in the graphics.
- Display several views of the same part simultaneously.
- Take part measurements using graphics.

For complex parts you can slice the solid graphics in to one or more sections to view the part details closely.

