



# DESIGNED FOR GRINDING

CUTTING, AND HANDLING



# Overview

Founded in 2001 by

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Headquarters and Factory in Laval (53) – France

Offices in Germany, the UK, and the USA

Key Partners : Japan, Canada, ... please ask us

Turnover of €3,500,000 in 2024



## **Key Technology: "Force Feedback"**

Essential for providing the operator with two physical sensations:

- The sensation of the grinding action
- The sensation of the tool's contact force with the workpiece.

# For what ?

**Without significant production volume, grinding automation is too difficult to implement.**

While robotics and automation have advanced significantly in fields such as welding, for example, they are still too complex to implement in other areas, such as Grinding.

Indeed, Humans have the ability to work both in position and force, whereas the robot can only do one or the other.

Haption's force feedback technology, derived from the Nuclear and Medical sectors, removes this barrier. It enables the operator to leverage their expertise to the fullest and combine it with the robot's capabilities and performance.



**Recruitment is becoming increasingly complicated, and the labor shortage is impacting your production.**

The Arduous Nature of this position is the main factor in the difficulty of recruiting and retaining operators.

Haption's Technology and Solution eliminate the arduousness for the Operator and transfers it to the Robot.

Improving working conditions keeps your operators on the job and opens up your recruitment criteria for these positions.



# Operator station

The system is easy to use, simple, and ergonomic.

The operator's skills and gestures are recognized and continuously enhanced.

Exposure to physical risks: postures, prolonged effort, vibrations, dust, noise, and ejection of projectiles are all resolved.

Assistance systems guide the operator, for example, by restricting their movement to a cutting plane or locking the disc angle to grind. No programming is required.

The operator's vision is either direct and supplemented by cameras or completely remote.

Operator training is completed in one day. Operators gain experience within 1 to 3 weeks.



# Robotic cell

**Secure, scalable, and designed for your needs, the robot cell ensures perfect deployment.**

**Agile:** Compatible with your standard electric and pneumatic tools and consumables, in robotic format.

**Scalable:** Designed to handle your varied geometries thanks to the robot's wide access area and customization to your needs.

**Flexible:** Integrates into your industrial environment.

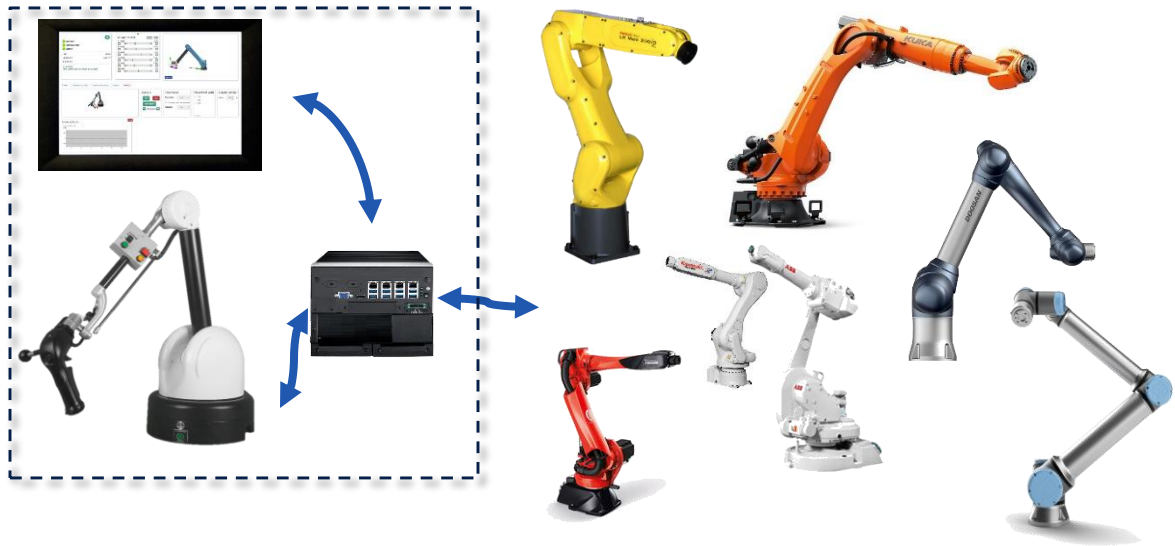
**Safety:** To help you achieve zero accidents, operators are kept away from the risk zone, minimizing risk exposure and ensuring your production line reliability

**Simplicity:** Grinding disc rotation locking feature and cutting plan feature, as well as virtual walls in a bounding box, effectively assist the operator through force feedback.

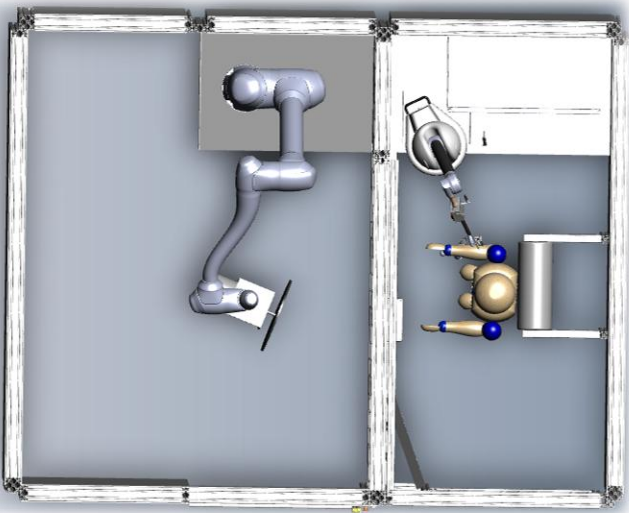


# Our offer

## Technology & Support for your own integration



## Standard & Turnkey Grinding cells



 Hand in Hand with Operators

 Choice for Robots & Tools

 Part Loading Co-Building

# Benefits

This investment immediately addresses:

1. The arduousness for your operators
2. The flexibility you need for your production
3. The retention and recruitment of your operators

Your company gains a head start with:

- ✓ Simple and successful solution integration
- ✓ The ability of a flexible robotic system to scale

Let's organize a hands-on demonstration at your site.  
So you evaluate the technology & the solution with your team!

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