



BARBOY MOTION



2 IN 1 CASE - BAR FEEDER AND ENGINE

A control system integrating in a single case, thanks to a latest-generation motion controller, control of both the Super Barboy bar feeder and the bar turning machine and its axes.

1 PRODUCT - 4 VERSIONS



Barboy Motion OVAC

Optimised camshaft speed, saving time.



Barboy Motion OVAC VP

Headstock speed control.



Barboy Motion OVAC PP

Headstock positioning (PP): Speed control and positioning of the headstock with programmable stop to 1/10 of a degree..



Barboy Motion OVAC PP + AS

Digital management of synchronous axes, tools synchronised with the bar to produce a flat or thread, without stopping the headstock, saving time.

ADAPTIVE, COMPREHENSIVE AND SCALABLE SOLUTION

This solution combines the bar feeder control box and the bar turning machine in a single case.

Includes replacement of the bar feeder limit switches with proximity sensors. Replaces the thrust motor. Fault logging. Bar change cycle control.

Thanks to **OVAC technology**, you can control the direction and speed of the camshaft, **improving productivity** by an average of 30%.

The system can be customised and upgraded to suit your needs.

The Motion range incorporates a **touch screen** for :

- **Control** : start/stop of camshaft, headstock, etc.
- Programming: with the option of **saving up to 10 programs**.
- Real-time production monitoring: number of parts produced, machine status, etc.

Our expertise is at your service before and after installation.



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POSSIBLE DEVELOPMENTS

The system can be customised and upgraded to suit your needs.

Your product can be upgraded in the following ways :

Evolution possible Système d'origine	OVAC	OVAC VP	OVAC PP	OVAC PP + AS
OVAC		✓	✓	✓
OVAC VP	✗		✓	✓
OVAC PP	✗	✗		✓
OVAC PP + AS	✗	✗	✗	

Coffret 2 en 1 Embarreur et Machine Motion

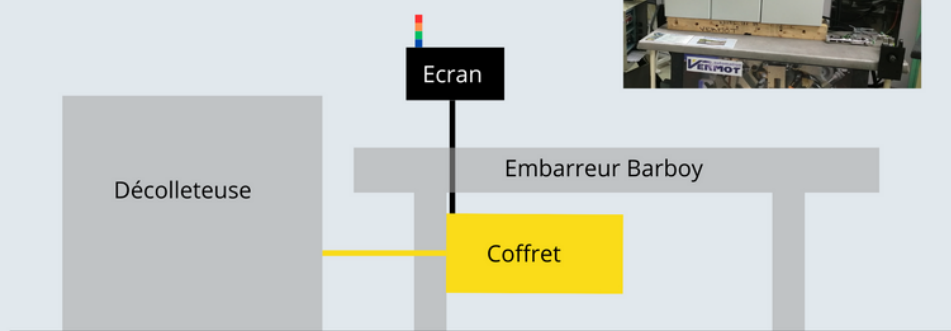
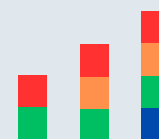


Schéma de l'installation



AVAILABLE OPTIONS

- **Option Communication** : Transfer of your production data (number of parts, machine status, etc.) to your ERP software.
- **Option Illuminated Column** : two, three or four colors.



Green : Active
 Red : Stop
 Orange : Setting
 Blue : In Heating

- **Bucket Separator Control Option**: Control of the separator with the addition of new programs.
 Example: sample and production management, machine can be stopped after a complete turn.
- **Auxiliary Relays Option**: adds new control options to the machine, such as solenoid valves, probes, etc.



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AVAILABLE OPTION

- **Option Simple Stop:** locks the headstock when drilling or milling.
- **Option Button box :** installation of control buttons on the bar turning machine
- **Option Magic Barrel:** controls the opening of the barrel to facilitate the passage of the bar
- **Option Motorisation and Control:** motorisation of appliances incorporating control (on/off management) of the motor.
- Can be upgraded by adding motor **speed control:**
 - For 12U, 13Y, 32AA and APU devices
- **Option Interface / Machine case:** installation of an additional box to the Machine Motion box. Depending on the number of options selected, the original box can be reused.
- **Option Pneumatic:** available with the bucket separator option or the OVAC PP + AS version.
- **Option Heating:** programming of the heating of the bar-turning machine before the start of production.
- **Option USB :** programme backup management, programme transfer to another bar-turning machine.
- **Option Demagnetiser:** demagnetises the bar.

**We remain at your disposal
for all other enquiries.**