



MASTER 80  
HEAVY DUTY

 **IEMCA**

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# MASTER 80 HEAVY DUTY

The **MASTER 80 HEAVY DUTY** is an automatic barfeeder for bars with diameters between **8** and **80 mm**, ideal for applications on fixed headstock lathes, for bar lengths from **1500** to **6300 mm**. The Master is a premium barfeeder, for those who are looking for something **high performing**: **very rigid** thanks to the new version **Heavy Duty** (HD), **certified for ergonomics** for loading heavy bars, **large capacity** of the magazine, **ease of use**, **elevated speed** of bar rotation, extremely reduced time for retooling and **maximum flexibility** thanks to the **HF** (Hyper Flexible) technology.



# MASTER

Ø 8-80mm



Watch the video of the Master 80 Heavy Duty

## Reasons to Purchase

**Rigid.** The new model Heavy Duty guarantees elevated rigidity of the barfeeder, as the lathe spindle vibrations are eliminated, even with crooked bars or with polygonal sections.

**Ergonomic.** The barfeeder was designed compliant to the international ergonomic standards.

**Magazine.** The bundle magazine and the UP magazine permits the operator to effortlessly load heavy bars. This allows the machine to work unattended for long periods of time.

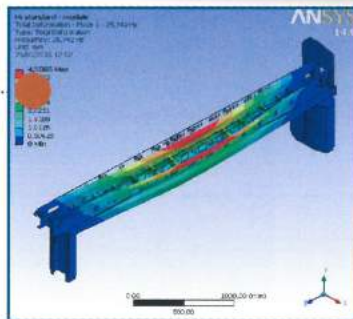
**Hyper Flexible.** The HF technology permits work on bars from 15 to 80 mm inside the same guide channel with extremely low retooling time (only one minute). It is suitable for those who need to retool their lathes very often.

**Fast.** The high rigidity permits increased turning speed by 25% compared to previous models in standard condition; this greatly increases the productivity.

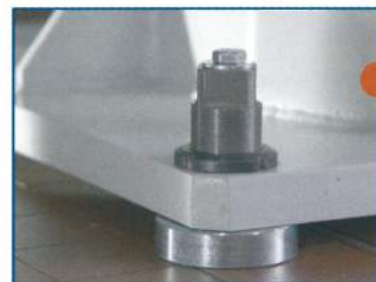
**Simple.** The new operator interface is enriched with new functionality which makes machine usage easier and more intuitive than before.

## Heavy Duty

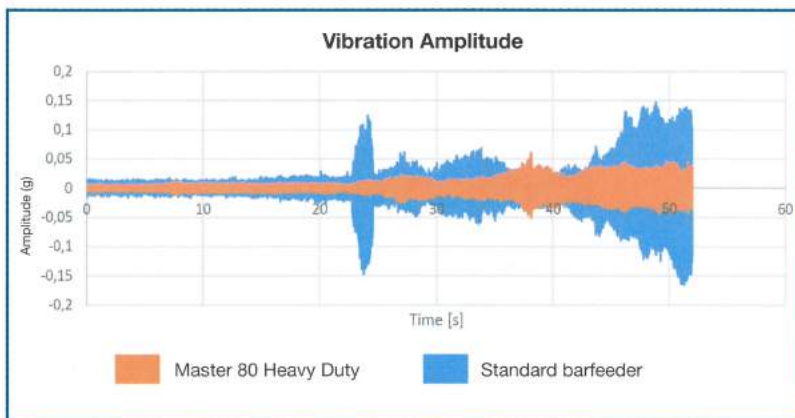
The new beam has brought an increase in **rigidness of 50%**



The front foot is **extra solid and stable**



The coaxial fastening system fixed to the floor ensures **stability** of the barfeeder



## Ergonomic



The barfeeder was designed and realized **respecting the standards** of physical and cognitive **ergonomics**

## Magazine



The **UP** magazine allows loading of heavy bars in an **ergonomic** way and is at a height between the knee and pelvis so there is no need for bending over, preventing risk of injury

The **MP** magazine has a capacity of 320 mm



The **F** magazine (bundle) is the ideal solution for those who have need for the machine to work unattended

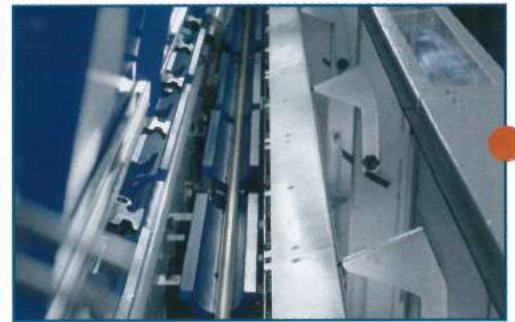
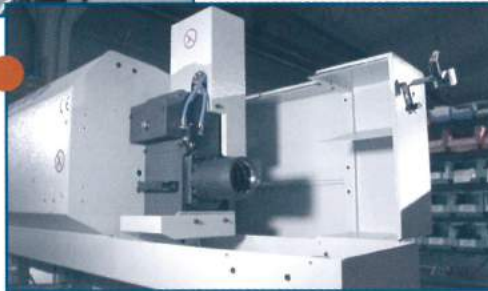


## Flexibility



The **HF** guide channel allows the barfeeder to work steel bars of diameter from **15 to 80 mm** (and aluminum bars with diameter between 20 and 80 mm) **inside the same guide channel**, with retooling time of **only one minute**

The **integrated axial shifting** device of **800 mm** guarantees rapid access to the machine for maintenance and adjustments between the lathe and the barfeeder



## Speed



Thanks to the HD technology, it is possible to **increase the turning speed up to 25%**



The changing of the two front half bushings for the diameter change requires only **20 seconds**



The **guide channel** is completely **closed** and **lubricated**, with the pairs of **rollers** always applying pressure on the bar-pusher and the **front bushings** which assures speed and precision even during the most challenging machinings

## Simplicity



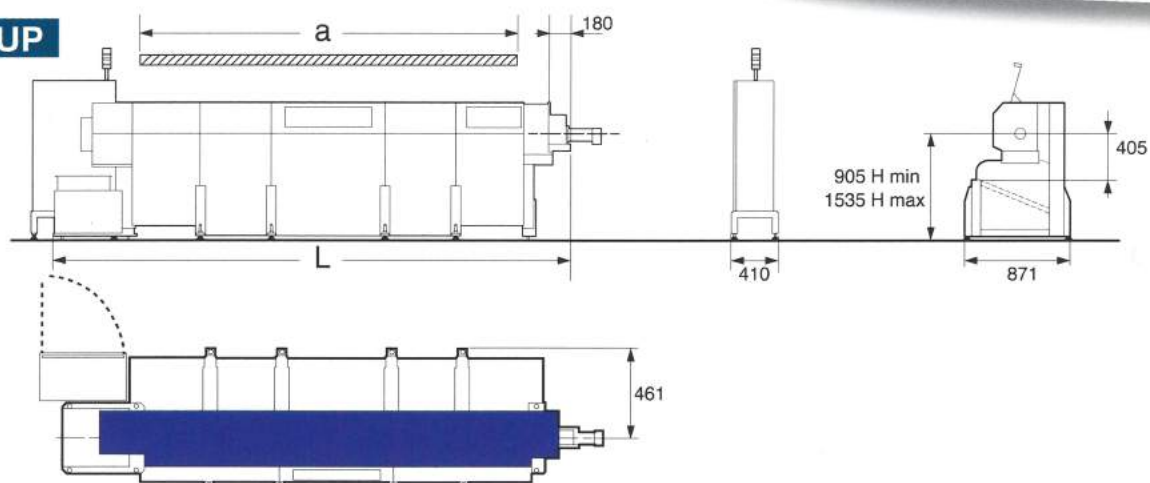
The new **"one touch"** operator interface facilitates usage by less experienced operators and also has the ability to memorize work programs and easily recall them if needed. It is possible to remotely operate the barfeeder from the panel of the lathe\*

(\*) Only for lathes with Windows operating system and only by request when ordering

# MASTER 80 HEAVY DUTY LAYOUT

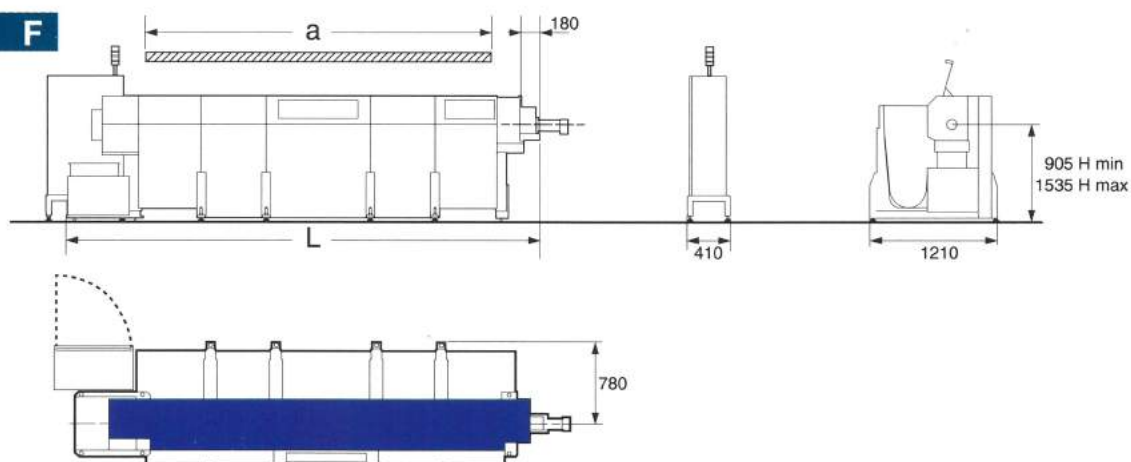


**UP**



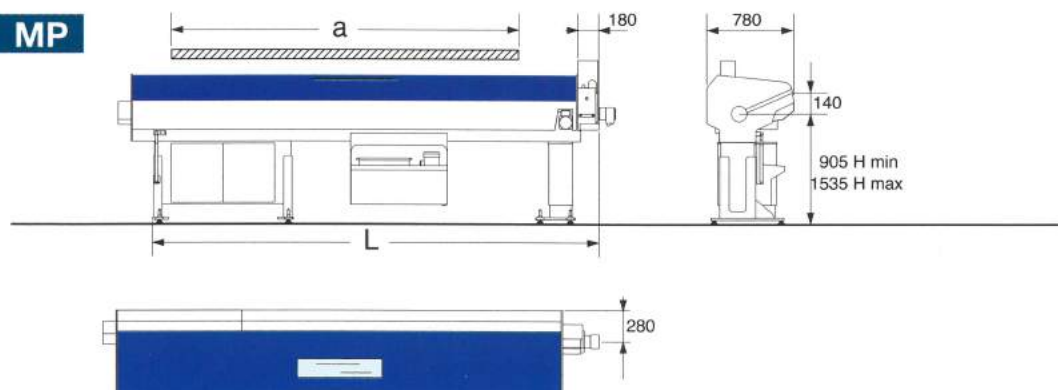
| Dimensions | 33   | 38   | 43   | 63   |
|------------|------|------|------|------|
| L          | 4500 | 5000 | 5500 | 7500 |
| a          | 3300 | 3800 | 4300 | 6300 |

**F**



| Dimensions | 21   | 33   | 38   | 43   |
|------------|------|------|------|------|
| L          | 3300 | 4300 | 4800 | 5300 |
| a          | 2300 | 3300 | 3800 | 4300 |

**MP**



| Dimensions | 33   | 38   | 43   | 63   |
|------------|------|------|------|------|
| L          | 4500 | 5000 | 5500 | 7500 |
| a          | 3300 | 3800 | 4300 | 6300 |



## MASTER 80 HEAVY DUTY AVAILABLE MODELS

| Working diameter | Magazine | RHS/LHS | Length |    |    |    |    |
|------------------|----------|---------|--------|----|----|----|----|
| 8 - 80 mm        | UP       | Right   |        | 33 | 38 | 43 | 63 |
|                  |          | Left    |        | 33 | 38 | 43 | 63 |
|                  | F        | Right   |        | 33 | 38 | 43 | 63 |
|                  |          | Left    |        | 33 | 38 | 43 | 63 |
|                  | MP       | Right   | 21*    | 33 | 38 | 43 |    |

(\*) Available only with Verso technology

| Technical characteristics          |              |
|------------------------------------|--------------|
| Round bar dimensions               | Ø 8 - 80 mm  |
| Hexagonal bar dimensions           | 7 - 65 mm    |
| Square bar dimensions              | 6 - 50 mm    |
| UP Magazine Capacity               | 600 mm       |
| F Magazine Capacity                | 2500 Kg      |
| MP Magazine Capacity               | 270 - 320 mm |
| Max. weight of the worked bar      | 180 Kg       |
| Min. bar changeover time (Mod. 33) | 32 sec       |
| Operating Voltage                  | 230/400 Volt |
| Installed power UP                 | 3 KW         |
| Installed power F                  | 4 KW         |
| Installed power MP                 | 2.3 KW       |
| Air pressure                       | 6 bar        |



It is possible to load the bars much more easily with the new IEMCA TROLLEY (optional).



Don't forget to always use original IEMCA spare parts to have maximum performance.



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