

MULTI_{LS} 6/8 spindle

Multi-spindle loader

Technical Data

GREAT LENGTH OF THE WORKABLE BAR	3,20 m – 3,30 m – 3,70 m – 4,00 m – 4,30 m – 4,50 m (For different lengths contact the manufacturer)
STRAIGHTNESS BARS	Lo The maximum permissible deviation is 0.5mm / m
LUBRICATION OIL	Hydraulic 46
OPERATING PRESSURE	Min. 6 bar
SUPPLY VOLTAGE	230/400 V
TIME EXTENSION	Max. 1000 mm sec
MINIMUM CHANGE BAR	20 sec.
BAR CAPACITY	Floor store from 600 mm to 1000 mm in width

Option

Bundle

For large productions, the model with bar beam loading with a maximum capacity of 1.5 tonnes is available. This device allows you to feed bars of any profile with regularity, speed, safety and with minimal intervention by the operator. The warehouse can be loaded with bridge crane or trolley. All operations are managed in complete automation and the lathe is fed for a long work session. The selection of the single bar is guaranteed by a series of cams.

The beam device is available in two versions:
- Bundle integrated in the loader
- Bundle applied to existing magazines

Used feeders

Cucchi BLT also offers revised barges with technical follow-up and manufacturer assistance.

Spare parts

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Cucchi BLT manages all the spare parts of its machines in addition to the stock of all the Pietro Cucchi S.p.A. offering the quality, conformity and guarantee of the original spare part at competitive prices.

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6/8 spindle



M U L T I - S P I N D L E L O A D E R

CUCCHI - BLT
BAR LOADING TECHNOLOGY

MULTI LS 6/8spindle

Multi-spindle loader

CUCCHI BLT loaders, model **MULTI L** and **MULTI LS**, can be connected to all mechanical and CNC controlled spindle lathes.

The interface with the lathe is achieved thanks to the use of an elastic joint that transfers the translation movement from the lathe to the loader and is designed according to the specifications of the lathe itself.

Customization is a guarantee for the customer in terms of quality of the mechanical and electrical interface.

Characteristics that distinguish the MULTI L CUCCHI BLT loader are :

- use of a feed system that uses hydraulic motors;
- elimination of counter-pliers and consequent increase in lathe capacity;
- loading operations partially in masked time, based on the combination with the lathe;
- use in the guide-bar drum made of die-cast synthetic resin elements, resistant and soundproofing, which allow a reduction in vibrations and the general noise of the rotating bars;
- possibility to work bars of any profile and material: round, hexagonal and square;
- rear extraction of the unmachined piece of bar.

The advantage in the MULTI LS models is that it requires less space to perform the same operations as the MULTI L thanks to the use of mechanical solutions that revolutionize the loading phase of the bar by exploiting the space occupied permanently by the bar pusher lance.



Rotary centering with stems

The device is positioned on bearings at the mouth of the lathe chuck in the area where the bar is not supported by the guides of the loader. The centering of the bars, of any profile (round, hexagonal or square), is guaranteed by the twisting of the rods on the bar itself, with an automatic release when the bar pusher passes. The application of this device solves problems of instability and vibration of the bars.

Automatic compass

The device is positioned directly in the back area in the lathe chuck. The compass has a drain to receive the maximum diameter of the bar pusher and in the front has a quick release insert with a nominal diameter equal to the bar being processed. The bushes guide the bar pusher and the bar for the entire length of the spindle, up to the lathe pliers, improving the centering action. The coupling and release of the bushing to the bar pusher take place automatically.

Fork centering device

The device is positioned in the guide-bar channels of the charger and allows you to reduce the oscillations of the bars in the channels themselves.

The centering forks are made of plastic and are positioned at regular intervals based on the total length of the bar. They are easy to replace and cover a range of processing in relation to the passage of the loader bar. The device is automatically deactivated and activated when the bar pusher passes.



Extractor group

The extractor unit is used for the removal and rear elimination of the unused bar piece and for the insertion of the new bar being processed in the bar pusher clamp. The clamping jaws are hydraulically operated and close in combination with an axial displacement; they are sized to work at a high working pressure.

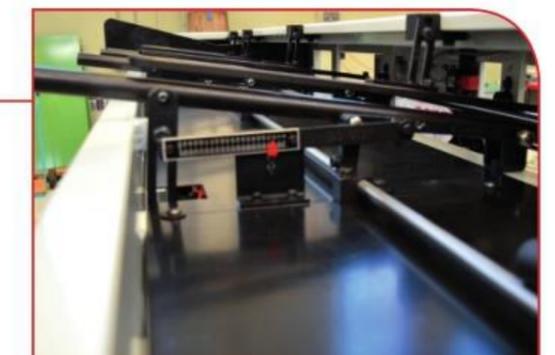
The rear expulsion of the piece has innumerable advantages compared to the previous one, for example to avoid damaging the tools of the lathe and the pieces already present in the collection tank or the block of the auger collecting chips.



Load plan

The loading floor of the bars has an extension of approx. 600/1000 mm and is configured from above or below depending on the lathe devices.

The selection of the single bar from the inclined plane takes place with a single adjustment suitable for simplifying and reducing the setup time.



Triggering the stroller

This device is present only on MULTI LS models.

The coupling between the thrust sector and the extension of the lance is designed to give the pusher a solidity equal to the solution with a single bar pusher. The movement of the lance from the axis of the loading channel makes it possible to exploit the space normally occupied by the lance itself in the position of reception of the new bar. This solution reduces the total length by approx. one meter compared to the MULTI L model.



Guide bar

The bar-guide drum jaws are made of die-cast synthetic resin, a self-lubricating elastic material designed to absorb vibrations. The driving cradle is completed by a tempered steel insert.

