

# Smart 320

Simple, Fast, Smart



# SMART 320

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**SMART 320** is an automatic, highly productive bar feeder for diameters 3 to 20 mm and lengths 1500 to 4000 mm, for sliding headstock lathes. SMART 320 is easy to use and fast.



## Characteristic:

- Mechanical synchronism
- Next-generation PLC
- New 7" touch operator interface
- Bar changeover time 20 s
- Reliable and precise



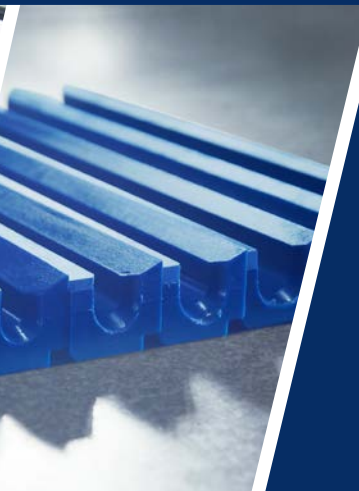
Single rack magazine



Industry 4.0



Self-centering bushing



Quick locking guide channel



## SIMPLE

### User friendly

— The Smart 320 does not require special adjustments for change-overs or when feeding thin bars: the machine is simple and intuitive to use.

### Ergonomic

— Smart 320 has been conceived and designed to be at the service of the operator, in compliance with international physical and cognitive ergonomics rules.

### Fast retooling

— Retooling time is only 2 minutes, thanks to the quick-coupling guide channel and the integrated self-centering bushing. Replacing the guide channel and the bar pusher is extremely simple and fast: the operation is carried in a few simple steps.



## FAST

### Bar changeover time

— Bar changeover time is 20 seconds\*.

### Mechanical synchrony

— The mechanical synchronism between the headstock and the bar pusher, allows to reduce and even cancel the headstock idle times set on the lathe.



## SMART

### 7" touchscreen keypad

— The new operator interface has new features that make the machine extremely easy to use and intuitive.

### Tool box

— Smart 320 is available with the IEMCA tool box\*\*, a compartment that can be used by the operator for conveniently storing the bar feeder accessories.

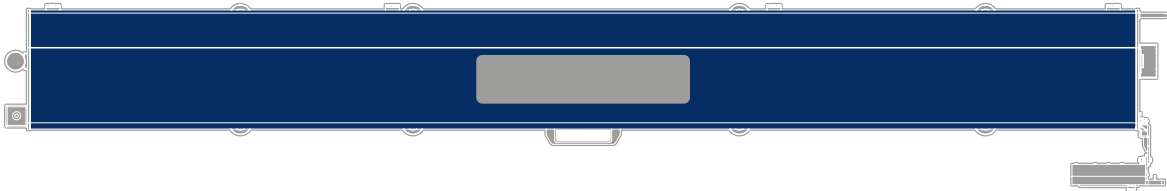
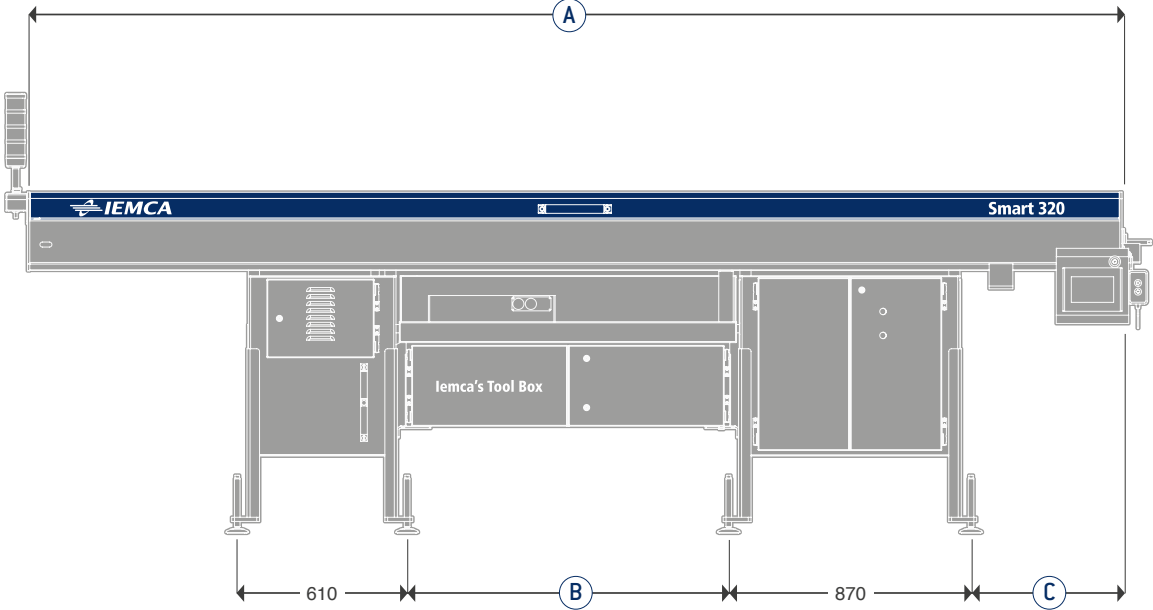
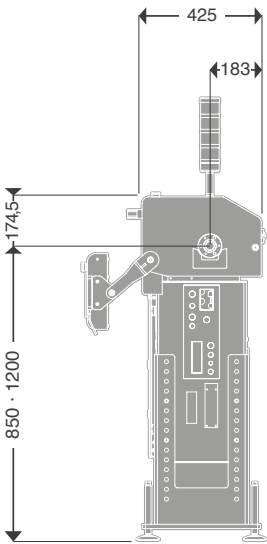
### Industry 4.0

— The Smart 320 comes complete with the IEMCA Industry 4.0 kit which includes notifications in the event of alarm messages, remote control, remote servicing and remote connection with other machines and production systems.

\*Data are purely indicative. Different factors such as length and material of the fed bar, type of magazine and some parameter settings done by the operator, may affect time significantly.  
\*\*Optional.

# SMART 320

Technical data



| Version | A    | B    | C   |
|---------|------|------|-----|
| 32      | 3930 | 1155 | 542 |
| 40      | 4730 | 1675 | 822 |

# SMART 320

## Technical data



**ROUND BARS**  
3 - 20 mm



**NO. SPINDLES**  
1



**BAR CHANGEOVER TIME**  
20 sec.\*



**HEXAGONAL BARS**  
3 - 17 mm



**REMNANT LENGTH**  
80 - 400 mm



**INSTALLED POWER**  
1,4 kW



**SQUARE BARS**  
3 - 14 mm



**BAR WEIGHT**  
75 g - 11 kg



**OPERATING VOLTAGE**  
220/400 Volt



**MP MAGAZINE**  
Yes, 180 mm



**BAR FEEDER WEIGHT**  
Ver. 32 - 460 kg  
Ver. 40 - 510 kg



**FEED AND RETURN SPEED**  
max 1.500 mm/sec.



**MAGAZINE REVERSIBILITY**  
Yes

\*Data are purely indicative. Different factors such as length and material of the fed bar, type of magazine and some parameter settings done by the operator, may affect time significantly.



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