



IDEAL 438

 **IEMCA** Gimco

BUCCI
INDUSTRIES

IDEAL 438

The **IDEAL 438** is an automatic bar feeder able to machine bars with diameters between **4** and **38 mm**, perfect for applications both on **fixed headstock and swiss type lathes**, for bar lengths from **1,000** to **3,700 mm**. This bar feeder has been designed to ensure the **maximum precision** even at **high speed**, for anyone that wants to machine **both small and medium bars**. The IDEAL 438 is **precise** on every diameter, **robust** and can be equipped with the innovative integrated axial shifting **Swiss & Chuck** device.



 **IEMCA** Gimco



Watch the video of
the Ideal 438

IDEAL 438,
maximum
precision at
the highest
speed!

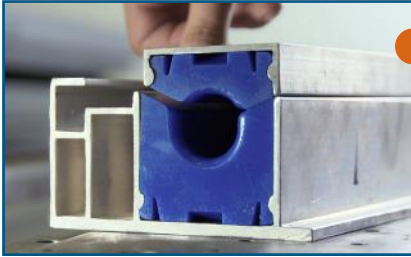
Benefits

Precise. The bar is accurately guided to obtain the maximum performance from the lathe. The revolutionary guide channel in polyurethane minimizes vibrations and drastically reduces retooling time. The front bushing is also in polyurethane and made of two semicircular halves to ensure the maximum guiding precision. The mechanical synchronization device always ties rigidly the barfeeder to the lathe regardless of the headstock speed.

Robust. The basements are the same of Iemca BOSS. Thus they are universally recognized as a total stability guarantee even at very high rotation speed.

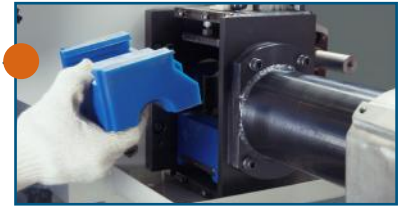
Swiss & Chuck. The integrated axial shifting Swiss & Chuck device is extremely simple to use. It allows the operator to move forward the body of the bar feeder up to 330 mm in a few seconds. The Swiss & Chuck is expressly conceived to be used with lathes able to work with and without guide bushing.

Precise



The **guide channel** remains **completely closed** during the machining thanks to a lemca **patented** project. It allows to obtain the maximum performance when the bar is turning and at the same time to totally avoid the oil leakage.

The polyurethane made front bushing is **always sized on the diameter of the material being worked** and prevents vibrations to arise when the bar is not exactly straight.



The mechanical synchronization device has a **double pneumatic cylinder** to ensure the **maximum rigidity** of the connection.

Robust



The **BOSS-style basements** very robust design gives an extremely high stiffness to the barfeeder.

The **lemca universal standard floor fixing** ensures an even higher stability during the machining.

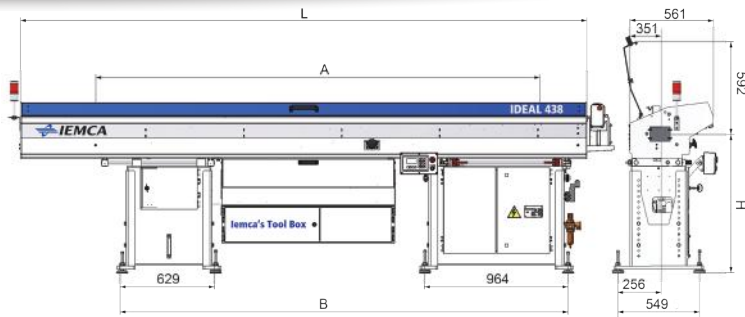
Swiss & Chuck



When switching from guide bushing mode to the non-guide bushing one the **Swiss & Chuck** device allows the operator to bring the bar feeder near to the lathe up to 330 mm. Because of it the installation distance is reduced and **vibrations are minimized**. The Swiss & Chuck device is extremely **simple and fast** to use even for inexperienced operators.

The integrated axial shifting device **Swiss & Chuck** can be used also for **simple maintenance interventions**.





Dimensions (mm) and Weight (kg)	32	37
L	3816	4476
Amax	3200	3700
Amin	1000	
B	2993	3528
H	900-1350*	
Axial shifting	170	330
Bar feeder weight	738 (793 with Swiss & Chuck)	835 (890 with Swiss & Chuck)

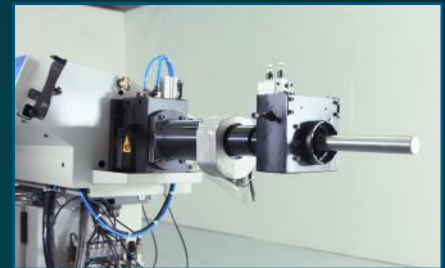
A=bar length

(*) For greater heights, contact your closest IEMCA dealer.

(**) Optional devices.

Technical characteristics

Round bar dimensions	ø Min 4 mm (3/16")	ø Max 38 mm (1-1/2")
Hexagonal bar dimensions (socket wrench)	ø Min 4 mm (3/16")	ø Max 29 mm (1-3/16")
Magazine capacity	266 mm	
Working axis height	900-1350 mm	
Max remnant length	330 mm	
Compressed air	4-7 bar	
Installed power	800 W	



Two different kinds of second antivibration device can be installed on the lathe headstock**



Tool box to store accessories**



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



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