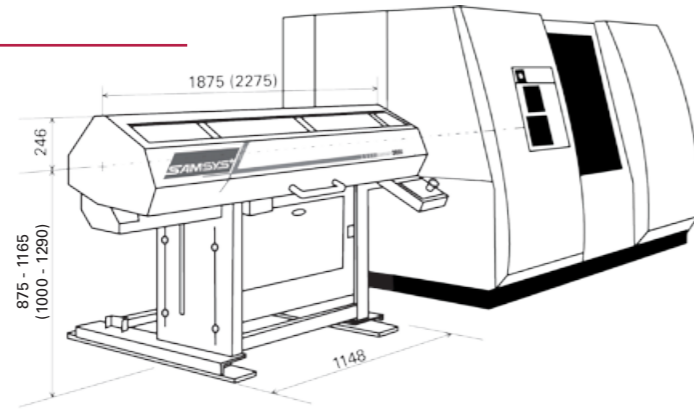


## MULTI-3000

A CLEVER AND PROFITABLE INVESTMENT



Samsys GmbH - Am Köhlersgehäu 59 - DE-98544 Zella-Mehlis  
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# MULTI-3000

### 6 good reasons to run short bars

- ✓ Reduction of mass in movement.
- ✓ Material guiding in the Spindle enables to utilise full lathe performances.
- ✓ Increase spindle life time.
- ✓ Easy material handling.
- ✓ No bar chamfering.
- ✓ Reduction in ambient noise.

### 6 good reasons to choose

## MULTI-3000

- ✓ A simple, precise and proven concept.
- ✓ Unique, fast and smooth reload cycle.
- ✓ Easy handling and operating units, simple and fast on change over.
- ✓ Polyvalent, reload your round and profiled bars; swiftly change to shaft work if required.
- ✓ Maintenance free, due to its 100 % electronic control for reloading and feeding.
- ✓ Environmental friendly.

## Specifications MULTI-3000

<b>Capacity</b>	round bars	5 to 55 / 65 / 80 mm
	hex bars	5 to 47 / 56 / 70 mm
	square bars	on request
	bar length	150 up to 1240 / 1640 mm restricted to spindle length
<b>Safety</b>	electrical conformity	EC & EMC
	sealing, waterproofing	EN 60204-1 EN 418 IP 54
<b>Electrical Connections</b>	supply	200 to 415 VAC
	Secondary	24/5 VDC
	keyboard, display	4 lines - 20 characters LCD backlit
<b>Language</b>	programming operator menu	IEC 1131-3 5 languages
<b>Loading system</b>	material selection material feed	reduction gear motor Servo drive
<b>Fast speed</b>	for pusher pusher carriage guide way	60m/min. on bearings hardened
<b>Material positioning</b>	at material loading	± 0.5 mm <sup>3</sup>
	at material feed	± 0.1 mm <sup>3</sup>
<b>Textured paint</b>	complete unit	RAL 9018 papyrus white
<b>Net / gross weight</b>		390 / 560 kg

<sup>3</sup> Data applies to chuck / collet closing systems by traction tube withdrawal

**Origin** Produced in Germany

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### 100% electrically operated

The MULTI-3000 units are full electrical „Servo-Driven“ operated. No air connection / supply, and are environmental friendly.

### Robust, reliable

Pioneers of the „Servo“ bar feeders, MULTI-3000 are high quality units produced in Germany.

### Easy handling

Easy access to all elements.  
Easy to understand and handle.

### Fast

On material reload  
On material feeding  
On change over and set-up

### Efficient

Full „Servo-Driven-magazine“ permits:  
- Smooth feeding cycles.  
- Optimal automatic control of material feeding.  
- Accurate bar positioning without a mechanical stop.

### Proven units

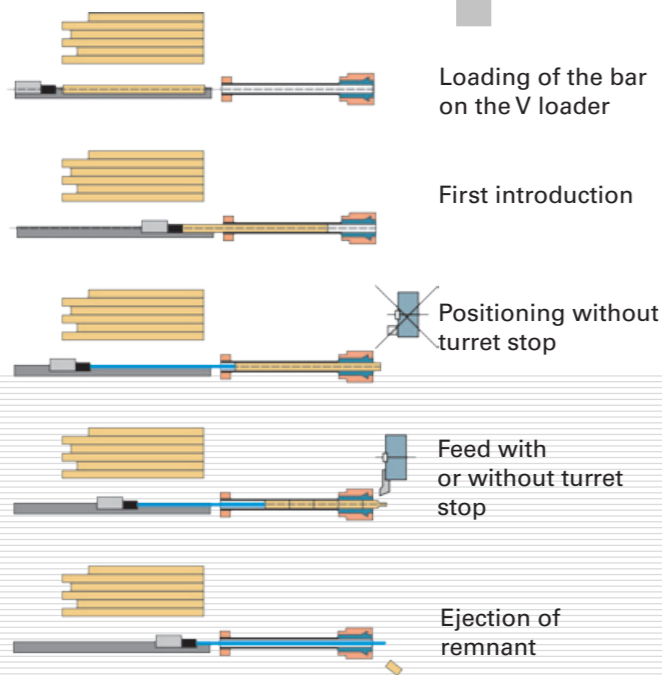
In use world wide since 1998, with over 2000 full electric units running to customer satisfaction, the family of SAMSYS magazine barfeeders are market leader.

MULTI-3000 0805 EN

at the leading edge of technology

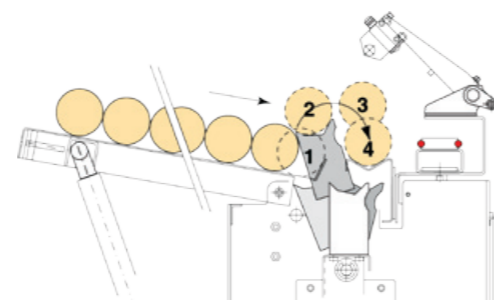
**Loading cycle**

**1**



**No impact on the bar feeder**

**2**



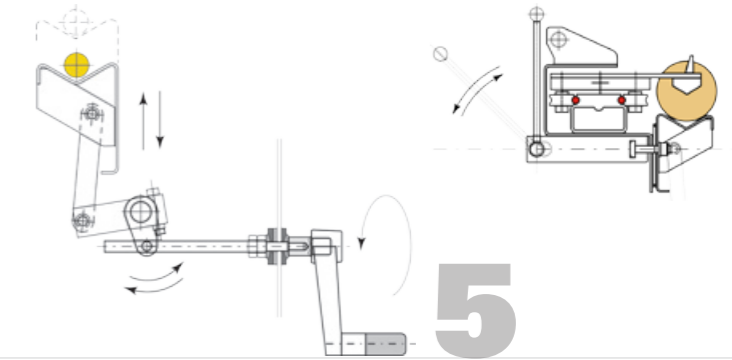
- Unique loading cycle by rotary movement.
- Accurate bar selection.
- Bars stored on the table follow the movement and are retained by the selector grips.
- The selected bar is gently placed on the V loader.

**Set-up in 3 minutes**

- Unlock and lower V loader.
- Replace spindle reduction sleeve.
- Raise V loader, center new bar, lock V loader.
- Move table or adjust loading grippers according to the new bar.
- Enter part parameters.

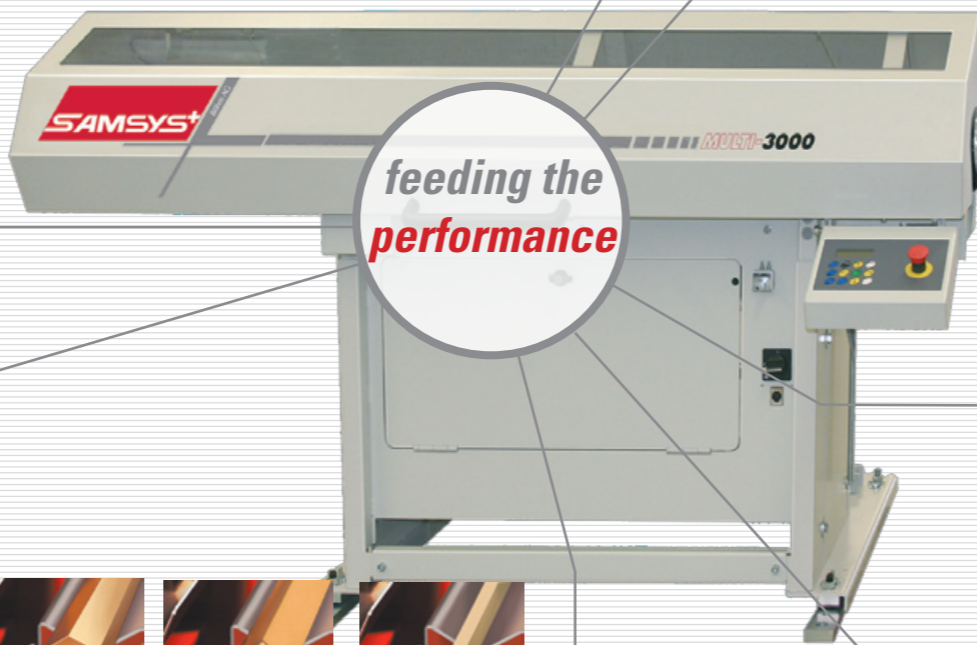
**Front access to all main elements and adjustments**

Easy change of spindle reduction sleeve up to Ø 120 mm without retracting barfeeder !



**No impact on the lathe**

- V loader remains fixed and perfectly aligned with the lathe spindle during the barfeed cycle.
- No risk of impact by the bar on the lathe clamping cylinder.
  - The "Servo" permits accurate positioning of the bar without turret stop.



**User friendly key-board**

Easy to handle and understand, all functions are controlled with only 12 input buttons.

**High performance electronic control**

The control developed by SAMSYS will simplify use. Its interactive editor permanently displays:

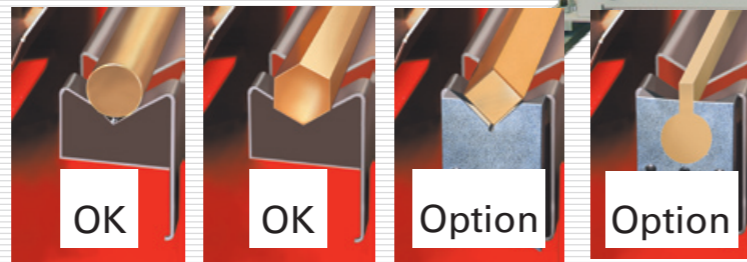
- Position and status.
- Signals received and sent.

Its self-diagnosis system permits easy rectification of any problem.

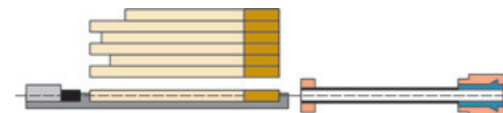
**3 MULTI-3000**

**MULTI-profile V-loader**

Change from round to profiled bars without changing the channel.



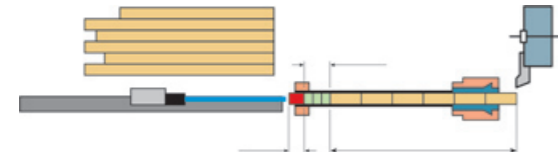
**Polyvalent**



Automatic reload of the bars and shafts, with MULTI-3000 is just a simple question of parameter alteration.

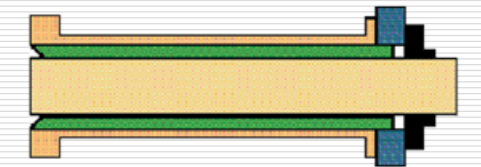
**4**

**Minimize your bar remnant**



MULTI-3000 accomodates bars of varying lengths to be loaded succussfully and minimize remnant length.

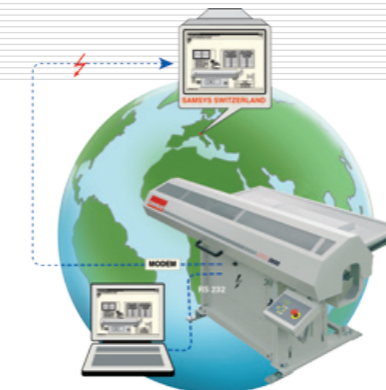
**High speed machining**



Material guiding in the spindle by reduction sleeves allows precision machining at high speed.

**No bar chamfering**

No need to chamfer your bars, only deburr.



**Assistance**

By MODEM connection, your unit can be monitored by the SAMSYS server, to give immediate assistance and remote maintenance. A world wide distributor network also supports our products.



**YOUR BENEFITS**

- Automated production
- Productivity increase
- Manufacturing costs reduction