



drive 4X wire feeder

The perfect feeder

MULTIMATRIX®  
/// Perfection is the principle



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/// simply more

# Universal use

## drive 4X wire feeder

With rapid set-up times and straightforward handling, the drive 4X wire feeder is ready for virtually any situation, from construction sites to production halls, tight spaces to long distances, and tack welding to continuous operation. Regardless of the MIG/MAG welding machine you use it with: You'll achieve flawless results thanks to highly precise wire feeding, high work comfort with the ergonomically balanced carrying handle, low weight, and manhole-appropriate dimensions. A long service life is assured, even when used in three-shift operation.

### Secure, precise wire feeding

- / Four driven wire feed rollers
- / Automatic wire inching saves time
- / Easy, tool-free roller change
- / Permanently secured roller fastener

### Illumination of internal spaces

- / Changing wires and operating the machine is easy even with poor lighting

### Protection against dust and dirt

- / Dust-proof wire spool cap
- / Inspection window indicates level of wire spool
- / Simple and convenient spool change
- / Fully insulated wire space

### Secure sealing system

- / Doors stay closed even under the most demanding conditions

### Rapid set-up

- / Tool-free replacement of intermediate hose packages; externally accessible connections eliminate the need for intervention in the electric area
- / Strain-relieved hose package with strap and swivel
- / Protected hose package connections

### Protected connections

- / Recessed Euro torch connector and water connection
- / Plastic impact protection

### Rugged structure

- / Solidly-designed base made from continuously cast aluminium
- / Mounting options for sliding rails, rubber feet, wheel kit, etc.
- / Standard mandrel holder



drive 4X  
wire feeder

For universal use, e.g. with:

**One wire feeder and one universal control** for various MIG/MAG welding machines



alpha Q puls Progress

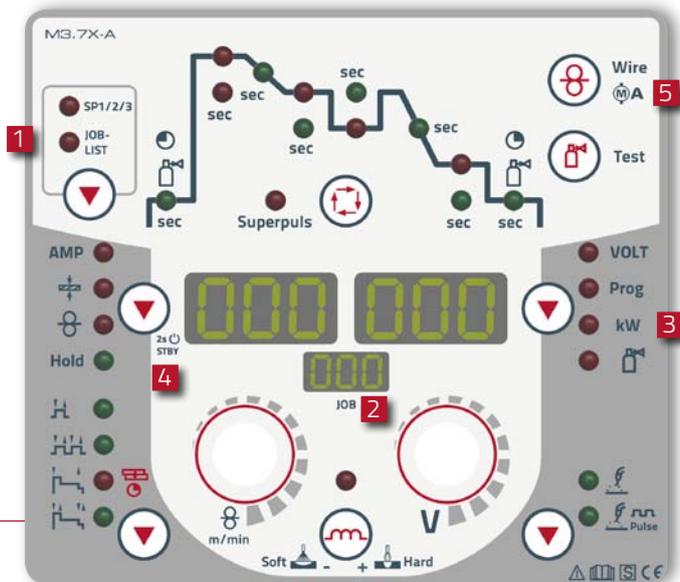


Phoenix puls Progress  
Taurus Synergic S



Phoenix puls Progress, Expert  
Taurus Synergic S

## MULTIMATRIX® wire feeder control



### 1 JOB selection

Direct selection from the JOB list saves time; custom JOBs SP1–SP3 (Expert)

### 2 JOB display

The current welding task (JOB number) is always in view

### 3 Kilowatt display

For calculating energy per unit length

### 4 Standby function

Save power at press of a button or automatically (time-controlled)

### 5 Motor current display

Retrieval of wire feeder's motor current increases operational reliability; Changes indicate wire feed irregularities



### MT function torch with X technology

These function torches transfer operating and display signals through the standard Euro torch connector; a separate control cable and additional connector plugs are no longer needed:

- Lower weight
- Improved handling and increased freedom of movement
- Very safe and robust
- Easy service

# MULTIMATRIX®

/// Perfection is the principle

# For the most demanding requirements in continuous operation

## Wire feed mechanism

Dual ball-bearing drive axles and four individually driven wire feed rollers make the wire feed mechanism highly precise and robust with a long service life. When combined with power sources and welding torches from ewm, the result is a perfectly balanced and complete system, whose sum total is truly more than the individual parts. The bottom line: higher precision, greater speed, and more efficiency.

### No more mix-ups

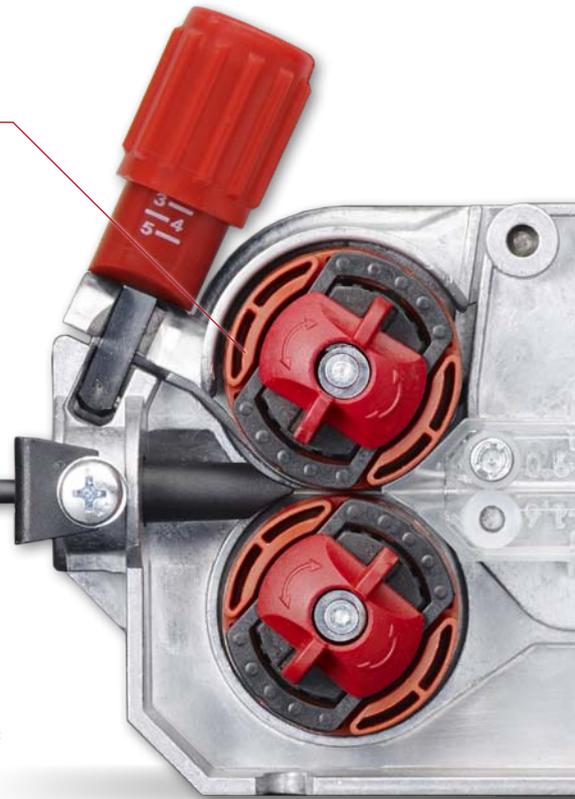
- / Colour-coded rollers for various wire diameters
- / avoids incorrect assembly
- / for fast and easy reading
- / Additional yellow colour-coding for rollers with U-groove for welding with aluminium
- / Special groove shape developed for soft aluminium wires, optimised for maximum precision



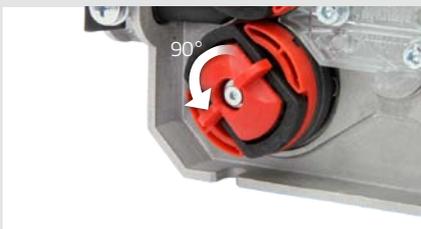
e.g. Ø 1 mm with V-groove (blue):  
for steel, stainless steel, flux  
cored wire, brazing



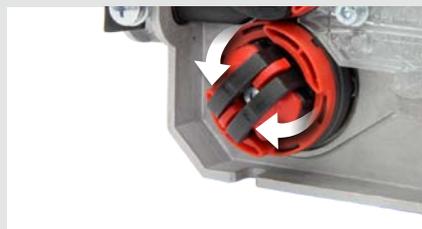
e.g. Ø 1 mm with U-groove (blue/yellow):  
for aluminium



**Exchange rollers** in just three steps – very quickly, without tools and without parts that can be lost



I. Unlock the roller fastener



II. Swivel out secured roller fastener



III. Exchange the roller



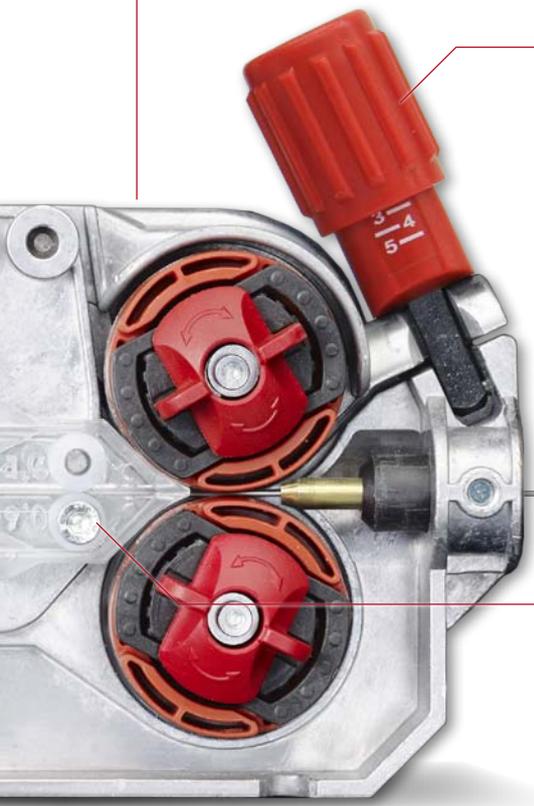
**Illumination of internal spaces**

/ Changing wires and operating the machine is easy even with poor lighting

**Functions**

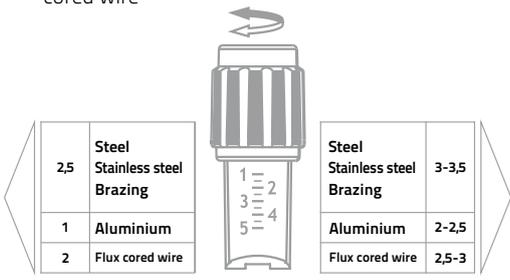
- 1** Key switch for locking the control
- 2** Changeover switch Program or up/down function torch
- 3** Buttons Currentless wire inching

**Wire feed mechanism**



**Adjustable contact pressure**

- / Each roller pair can be individually adjusted to the wire being fed
- / For aluminium, steel, stainless steel, brazing, flux cored wire



**Visible wire feeding**

Supports automatic inching and straightforward visual control

**The benefits of the wire feed mechanism at a glance:**

- Die cast aluminium housing is robust for a long service life
- Double ball bearings (instead of friction bearings) on all four drive axles reduce roller tolerances for a longer service life and less friction
- Error-free automated wire inching without time-consuming opening saves time
- Tool-free roller replacement with no roller attachment parts that can be lost
- Covered gearing protects against injury
- Large roller diameter (37 mm) for optimal transfer of power
- 4-roller drive

## Adapts to individual requirements

### drive 4X wire feeder options



#### Torch holder

- For greater security when working
- Extends the life of the torch
- Keeps work area organised



#### Wheel assembly kit

- Makes the drive 4X even more flexible
- Ensures limitless mobility
- Large rollers (Ø 125 mm) for optimal freedom of movement



#### Crane suspension bracket

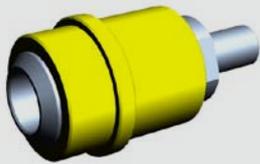
- For easier and safe transportation
- Maximum mobility even during hanging operations





### Plexiglas protective cap

- Reliable protection for the entire controller
- Good visibility of the protected display



### Connection for drum feed

- Drum-based feed boosts effectiveness
- Less need to change wire feed rollers saves time



### Heavy duty kit (protective plate plus crane suspension bracket)

- For optimised protection under rough conditions
- For standing, lying, and hanging operation
- Sliding, temperature- and impact-resistant protective plate
- Crane suspension for maximum mobility and straightforward, secure transportation



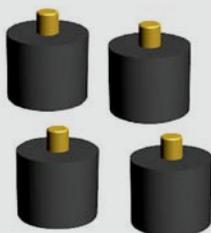
### Front-side load socket (factory option)

- Connection capability for gouging torch and electrode holder
- Expanded flexibility on the job



### Flow meter

- For common centralised gas supplies
- Precise adjustment and examination directly on site
- Particularly useful with long hose packages, e.g. in shipbuilding and steel construction



### Rubber feet

- Replace sliding rails



Max. welding current at 60 % DC (40 °C)	550 A
Max. welding current at 100 % DC (40 °C)	430 A
Wire speed	0,5 m/min to 24 m/min
Factory-installed rolls	1,2 mm (for steel wires)
Drive	4 rolls (37 mm)
Suitable for manholes	Complete, from 420 mm (oval)
Wire spool diameter	Standardised spools from 200 mm to 300 mm
Torch connection	Euro torch connector
Protection classification	IP 23
Ambient temperature	-25 °C to +40 °C
Dimensions LxWxH in mm	660x280x380
Weight	13 kg

### The right wire feed rolls directly in view

An overview of the available wire feed rolls is printed on the side panel of each drive 4X.

This makes it easy to select the right rolls for every application:

- V-groove for steel, stainless steel, flux-cored and brazing wires
- U-groove for aluminium wires
- Color codes for the relevant wire diameters

∅ mm	∅ inch	color	type	Art-Nr.	color code example
0,8	.030			092-002770-00008	
				092-002771-00008	
0,9/ 1,0	.035/ .040			092-002770-00010	
				092-002771-00010	
1,2	.045			092-002770-00012	
				092-002771-00012	
1,4	.052			092-002770-00014	
1,6	.060			092-002770-00016	
				092-002771-00016	

\* mild steel  
\* stainless steel  
\* flux-cored  
\* brazing

\* aluminium

### Set consists of 4 rolls

- Conversion kits no longer necessary
- Special aluminium roll sets



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