NEW GENERATION TIG COLD WIRE SYSTEM

EASY 400 CLASSIC System is the latest and most innovative technology for TIG Cold wire feeders.
EASY 400 CLASSIC System
New technology TIG Cold wire feeder
EASY 400 CLASSIC is the most innovative Tig cold wire feeder, developed and produced by Trafimet Group, in order to be combined with all the TIG generators and to be used both for manual welding and integrated with automatic systems and robots.

The EASY 400 CLASSIC innovations make the tig jobs easy and fast even for the most innovative and demanding industry sectors, such as:

- Aerospace industry
- Industrial plants & pipe lines;
- Chemical plants;
- Robots and automatic welding plants;
- Automotive;
- Constructions.
EASY 400 CLASSIC System
Easy, fast, reliable

INNOVATIVE SYSTEM
The EASY 400 CLASSIC innovations make the TIG welding quality easier and faster. The electronic control of the wire feeder speed increases the deposit percentage and the speed of welding, without wasting the filler material. The possibility of setting and adjusting the wire speed from the torch handle reduces the work time. The possibility of saving up to 16 users memories, for recalling the saved welding parameters and speeding up the production changes and guaranteeing process repetition.

ECONOMICAL SAVING
Reduction of the welding cost, since the filler in coils is cheaper than that on rods and the time of replacement is null.

HEALTH FIRST OF ALL
Extreme reduction of the physical stress of the operator, as only one arm is involved on the welding process.
A COMFORTABLE WORK STATION

The EASY 400 CLASSIC feeder is provided of practical hooks and trays for the proper housing of the torch, panel cable and transformer.

We put maximum attention on all details, for a comfortable and tidy work station.

EASY 400 CLASSIC System
The smart wire feeder makes the difference
SMALL AND VERSATILE

Extremely compact dimensions and reduced weight make EASY 400 CLASSIC the ideal solution to follow the operator in any working environment or to allow the robots combination during the automatic welding systems. The system is particuralarly suitable for interfacing with the PCL control systems and the robots.

(wire feeder size = 9 kg 350x250x300 mm)

EXTREME PRECISION AND REPRODUCIBILITY OF WELDING

Maximum control of the wire output speed, thanks to the 4-rollers mechanics and the optical encoder engine’s management. The speed total digital control ensures extreme precision in welding process, with total reproducibility and excellent welding properties.

SINERGIC OR INDEPENDENT WIRE PULSATION

The wire pulsation can be syneric or independent.

SYNERGIC
Using the machine in pulsed arc the wire will automatically stop and restart sinergically with the current.

INDEPENDENT
Activating the pulsation using the machine with in continuous current, the wire will be intermittently feded, with the possibility to set the Time ON and Time OFF from 0,3 to 25 sec.
The EASY 400 CLASSIC control panel is removable: this allows on the manual welding the operator to move the panel next to the welding area for a faster set-up of the parameters. On the automatic welding the rematable panel is suitable to set the parameters far from the peripherals.
USER FRIENDLY

With EASY 400 CLASSIC the operator can save up to 16 welding jobs, to easily recall the previously used welding programs. Minimum set-up time thanks to the new visual portable panel.

CURRENT START WIRE

Wire start threshold from 20 to 460A. The wire is fed only after surpassing the START current threshold set. The wire starts to feed on a soft start speed and then reaches the set speed through an acceleration ramp.

CURRENT STOP WIRE

Wire stop threshold from 20 to 460A. Under the STOP threshold the wire will stop and go into the wire retract phase.

SPEED

Wire speed from 0 to 8 m/min.

T-ON

Pulsation ON time, from 0.3 to 25 sec is the wire feeding time.

T-OFF

Pulsation OFF time, from 0.3 to 25 sec is the time while the wire does not advance.

DELAY

Wire output delay time from 0 to 25 sec. The wire will start feeding after this time. The time is counted from the moment the current has surpassed the START threshold.

WIRE RETRACT

Wire retract time from 0 to 2.5 sec. After the current goes under the current STOP threshold the wire will retract for the set time at the maximum speed (8 m/sec) and then stop.

MANUAL

OFF = automatic wire feeding, ON = manual wire feeding.

PULSATION

ON = independent pulsation activated.

POWER

ON = power presence.

ALARM

ON = alarms presence.

PULSATION

Pulsation activation: activation of the asynchronous (independent) pulsations of the wire.

WIRE FEEDER

Wire loading/feeding if pressed continuously.

WIRE RETRACTION if pressed intermittently.

MENU

Access to user menu where you can save/load the welding programs and set parameters.

ENTER

Knob selector and data confirm.

Special settings:
• soft start speed, from 10% to 100% of the nominal speed,
• acceleration ramp : from OFF to 2 sec.,
• manual wire exit command,
• password setting,
• special settings for automation systems and robot.
SPECIAL TORCHES FOR EXCELLENT WELDS

The Trafimet TPRO special torches are designed to better communicate with EASY 400 CLASSIC. The Multi trigger, over the standard functions, allows the operator to adjust the wire output and speed directly from the torch.

WIRE GUIDE HOLDER KIT

Wire guide holder for interfacing the TIG TPRO torches to the EASY 400 CLASSIC wire feeder.
TORCH REMOTE CONTROL

The TPRO Multi torches allow the operator to adjust all the parameters, without interrupting the welding jobs.

Lever 1 up
START/STOP power.
Lever 1 down
Wire stop/restart during welding.
Wire feed loading/retract not welding.

Lever 2 up
UP wire speed.
Lever 2 down
DOWN wire speed.

A TOP QUALITY AND DURABLE CABLE

Great flexibility and superior electrical performances. The cable is made of highly flexible materials and last meter leather, offering great resistance to wear caused by sliding, by atmospheric agents and by chemical substances.

TWO KIND OF SPARE PARTS

To have everything you need

STARTER KIT
Contains all the spares for a specific electrode diameter.

MASTER KIT
Contains all the spares for welding with electrodes from 1.0 to 3.2 mm.
EASY 400 CLASSIC System
Technical features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>115 - 230 V - 50/60 Hz</td>
</tr>
<tr>
<td>Transformer</td>
<td>230 V - 35 Vac (BX0430)</td>
</tr>
<tr>
<td></td>
<td>115 V - 35 Vac (BX0431)</td>
</tr>
<tr>
<td>Power</td>
<td>100 VA</td>
</tr>
<tr>
<td>Maximum welding current</td>
<td>400A (100% work cycle)</td>
</tr>
<tr>
<td></td>
<td>460A (30% work cycle)</td>
</tr>
<tr>
<td>Diameter of the wire usable for steel filler materials</td>
<td>0.8 mm - 1.2 mm</td>
</tr>
<tr>
<td>Diameter of the wire usable for aluminium alloys filler materials</td>
<td>1.0 mm - 1.6 mm</td>
</tr>
<tr>
<td>Wire spool size</td>
<td>Ø 200 mm - Ø 300 mm</td>
</tr>
<tr>
<td>Level of protection</td>
<td>IP 2X</td>
</tr>
<tr>
<td>Dimensions</td>
<td>350 x 250 x 300 mm</td>
</tr>
<tr>
<td>Net weight (MU0631)</td>
<td>9.0 kg</td>
</tr>
</tbody>
</table>

SET UP YOUR EASY 400 CLASSIC

1. Information on your welding generator
   - Producer
   - Brand / Model

2. Connection cable assembly
   - 1.5 m Trafimet standard cable assembly
     - TH0450-01-108
   - 4 m Trafimet standard cable assembly
     - TH0450-04-108
   - 8 m Trafimet standard cable assembly
     - TH0450-08-108
   Trafimet standard cable connections
     - Negative pole: TSK70 (CX0025)
     - IN water Quick Connector
     - GAS mini quick connector
     - 2 wires pin cable
     - OUT water Quick Connector
     - Positive Pole: TSK70 (CX0018)

If the cable is custom, the last 3 digits of the part number (108) correspond to the connection number. > Torches and spare parts catalogue.
3

TRANSFORMER

<table>
<thead>
<tr>
<th>220 V</th>
<th>110 V</th>
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<tr>
<td>BX0430</td>
<td>BX0431</td>
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</table>

4

WIRE FEEDER

EASY 400 CLASSIC (with 2 steel rollers set 0,8 ÷ 1,0 mm included)

MU0631

5

REMOTE CONTROL

4 m cable

<table>
<thead>
<tr>
<th>BX1280</th>
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</table>

8 m cable

<table>
<thead>
<tr>
<th>BX1281</th>
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</thead>
</table>

6

TIG TORCH

TPRO Multi / AUTOTIG

> see the following page

EASY 400 CLASSIC ACCESSORIES

TROLLEY KIT FOR COIL WIRE

Ø Max 300 mm

| TT0174 |

INDEPENDENT WIRE OUTPUT KIT

For the use of EASY 400 CLASSIC with any torch

Wire feeding kit for TIG manual torches, complete of buttons for the wire speed adjustment, loading and retract.

Kit for manual torches - 4 m

| TT0178 |

Wire feeding kit for TIG automatic torches, can be used in association with any automatic welding control equipment, or robotic application.

Kit for automatic torches - 4 m

| TT0177 |

EASY 400 CLASSIC ROLLERS SETS

2 ROLLERS SET

For steel wire Ø 0,8 ÷ 1,0 mm

| FA0201 |

For steel wire Ø 1,0 ÷ 1,2 mm

| FA0202 |

For aluminium wire Ø 1,0 ÷ 1,2 mm

| FA0203 |

For aluminium wire Ø 1,0 ÷ 1,6 mm

| FA0204 |
EASY 400 CLASSIC System
TIG TPRO Multi and AUTOTIG torches

TPRO Multi 20HC EASY 400

Water cooling
4 m cable
V Peak 113
Gas Argon

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Pack</th>
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<tbody>
<tr>
<td>1</td>
<td>GM0096 Carbon liner</td>
<td>200 m</td>
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<tr>
<td>2</td>
<td>FE0169 TPRO Multi 20HC wire feeder kit (inclusive of TT0170 kit)</td>
<td>1</td>
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<tr>
<td>3</td>
<td>TT0170 3 contact tips kit Ø 0,8 / 1,0 / 1,2 mm</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>MD0222-08 Contact tip for Ø 0,8 mm wire</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>MD0222-10 Contact tip for Ø 1,0 mm wire</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>MD0222-12 Contact tip for Ø 1,2 mm wire</td>
<td>5</td>
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</table>

TPRO Multi 18HC EASY 400

Water cooling
4 m cable
V Peak 113
Gas Argon

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<tr>
<td>1</td>
<td>GM0096 Carbon liner</td>
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<td>2</td>
<td>FE0179 TPRO Multi 18HC wire feeder kit (inclusive of TT0170 kit)</td>
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<td>3</td>
<td>TT0170 3 contact tips kit Ø 0,8 / 1,0 / 1,2 mm</td>
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</tbody>
</table>
**TPRO Multi 26HC EASY 400**

- Air cooling
- 4 m cable
- V Peak 113
- Gas Argon
  - Ø 0,5 - 4,0 mm
  - X 35%
  - 4 bar
  - 1,5 l/min

<table>
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<tr>
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<tr>
<td>1</td>
<td>GM0096 Carbon liner</td>
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<td>FE0179 TPRO Multi 26HC wire feeder kit (inclusive of TT0170 kit)</td>
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</tr>
</tbody>
</table>

**AUTOTIG 20 EASY 400**

- Water cooling
- 4 m cable
- V Peak 113
- Gas Argon
  - Ø 0,5 - 3,2 mm
  - X 100%
  - 4 bar
  - 1,5 l/min

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>FE0199 AUTOTIG 20 wire feeder kit (inclusive of TT0170 kit)</td>
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<td>TT0170 3 contact tips kit Ø 0,8 / 1,0 / 1,2 mm</td>
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</table>

**AUTOTIG 18 EASY 400**

- Water cooling
- 4 m cable
- V Peak 113
- Gas Argon
  - Ø 0,5 - 4,0 mm
  - X 100%
  - 4 bar
  - 1,5 l/min

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<td>FE0189 AUTOTIG 18 wire feeder kit (inclusive of TT0170 kit)</td>
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<tr>
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<td>TT0170 3 contact tips kit Ø 0,8 / 1,0 / 1,2 mm</td>
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NEW GENERATION

TIG COLD WIRE SYSTEM