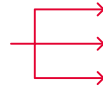
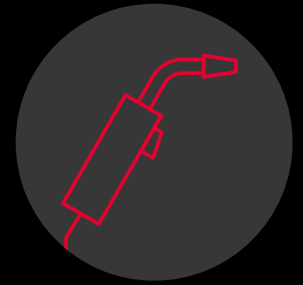




MAX 403 TOP 504 SM

Inverter mig 400V 3 phases



Multi



Rod Pulse™



Hot Start



Arc Force



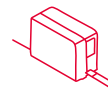
Slope down



Tig lift



V.R.D.



CC/CV



Motogen.

Standards and Warranty

60974-10 | 60974-5 | 60974-1



MADE IN
ITALY



Inverter

Inverter technology concentrates high welding performance in a compact structure, improving welding and reducing dimensions and weights.

Multiprocess

MAX 403 is a multiprocess power source: STICK, TIG LIFT, MIG MAG.

ST-ARC™

ST-ARC™ is the intelligent control of the Short Arc process, capable of handling automatically all variations within the welding process. The result is a short concentrated and stable arc 100% easier to control. The dynamic cold welding characteristics significantly lower the heat input reducing distortion, spatters, re-working and cleaning plus less weld time.

Rod-Pulse™

MAX 403 allows pulsed electrode welding with the innovative Rod-Pulse™ system. The advantages of appearance and arc control are unmatched in particular with cellulosic electrodes. The function ROD-Pulse™ is available with remote Control RCCS or Feeder Top 504 SM and XM.

Fan Control

The fans are controlled by the Power Source which adjusts their intensity based on the current and the arc on time. Ideal for avoiding contamination in harsh environments.

DSP

Digital Signal Processor digital arc control for maximum welding performance in all processes.

DFB™

Double Full-Bridge to use high performing components and possibility to work at 130KHz frequency with reduction of weight and dimension.

SMP™

STEL MODULE POWER maximum flexibility to use of any type of power components with advantages on availability and technological updating.

4 ROLLS FEEDERS

TOP 504 SM e XM are equipped with 4 Rolls feeders for a smooth wire feeding.



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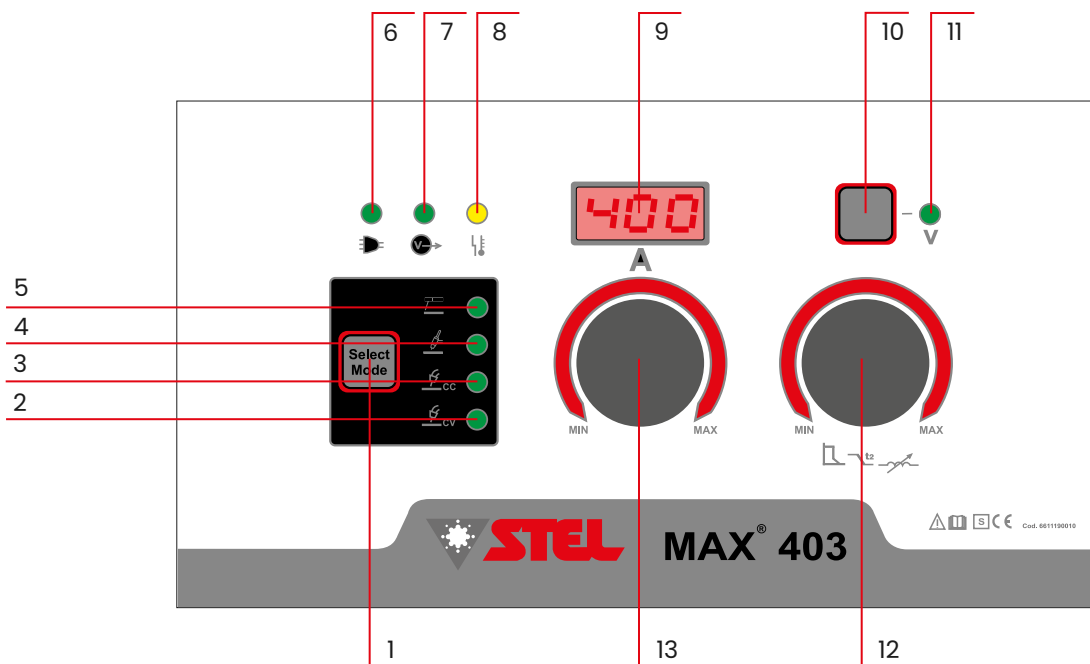
Technical Data

Main Voltage	400 V	Work Temperature	40°C
Phases	3	Current Range	4-400 A
Frequency	50/60 Hz	Welding Current 45% (25°C)	400 A
Real Current (35%)	19 A	Welding Current 100% (25°C)	350 A
Real Power (35%)	11,2 KVA	Welding Current 35% (40°C)	400 A
Power Factor	0,85	Welding Current 60% (40°C)	350 A
Efficiency	85%	Welding Current 100% (40°C)	300 A
No Load Voltage	70 V	Earth Clamp	70 mm ²
Degree of Protection	IP 23	Wire Feeder Rollers	4
Insulation Class	H	Length x Width x Height	1040x500x1430
Safety Approved		Weight	120 Kg

The data were collected at a temperature of 40°C

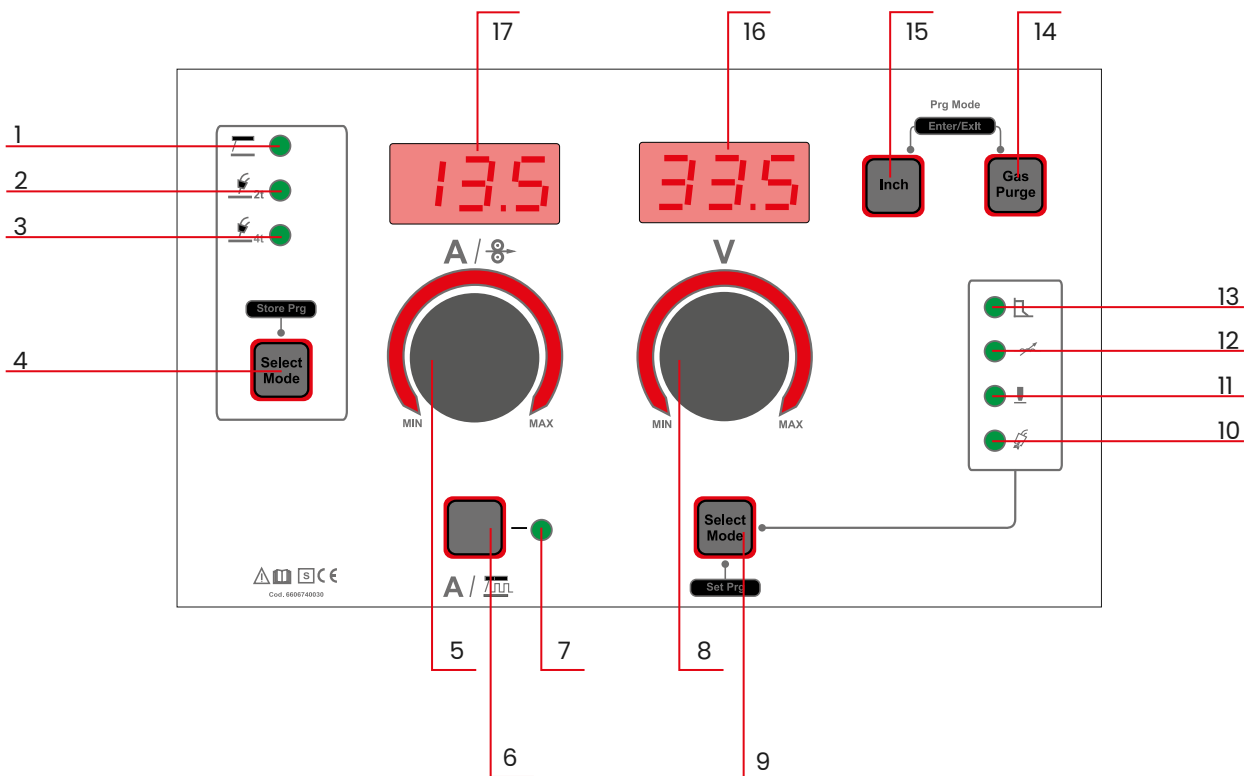
Front Panel Description

- | | | |
|---|---|---|
| 1. Button for Welding Mode Selection | 7. Welding enabled led | Slope Down / Inductance |
| 2. Mig CV Mode Warning Led | 8. Over temperature led | 13. Encoder for regulating welding current |
| 3. Mig CC Mode Warning Led | 9. Digital Display | |
| 4. Tig Lift Mode Warning Led | 10. Button Voltage View | |
| 5. Electrode Mode Warning Led | 11. Voltage Led | |
| 6. Machine live led | 12. Encoder for regulating Arc Force / | |



Front Panel Description TOP 504 SM

- | | | |
|---|--|--|
| <p>1. Electrode welding mode indicating led</p> <p>2. MIG 2t welding mode indicating led</p> <p>3. MIG 4t welding mode indicating led</p> <p>4. Welding Mode selection button</p> <p>5. Welding current / wire speed regulation encoder</p> <p>6. Welding current / pulse display</p> | <p>enable button</p> <p>7. Pulse function indicating led</p> <p>8. Voltage regulation / welding parameters Encoder</p> <p>9. Functions regulation SELECT MODE button</p> <p>10. Post gas function indicating led</p> <p>11. Burn-back function indicating led</p> <p>12. Car function indicating led (Electronic inductance)</p> | <p>13. Arc-force function indicating led</p> <p>14. Gas purge enable button</p> <p>15. Wire manual advance button</p> <p>16. Voltage / welding parameters display</p> <p>17. Welding current / wire speed display</p> |
|---|--|--|



Accessories

1. 6941800000

Warranty Extention 3&5 YEARS

2. 600343000L

Trolley MP

3. 600367000L

KIT MIG for Trolley MP

4. 600066001L

KIT Wheels for Feeder

5. 601471000L

Cooling Unit AWC MPS (Liquid not Included)

6. 600239000L

5L Tank Cooling liquid STELFreeze

7. 601526000L

KIT PCB + Torch Push-Pull

8. 600407000L

Interconnecting Cable 70mm² 5m Air

9. 600408000L

Interconnecting Cable 70mm² 5m H2O

10. 600409000L

Interconnecting Cable 70mm² 10m Air

11. 600411000L

Interconnecting Cable 70mm² 10m H2O

12. 6015130000

Torch Mig TMS 500 3m H2O

13. 6015140000

Torch Mig TMS 500 4m H2O

14. 6345000000

Roll d.37 0,8-1,0 Carbon Steel

15. 6315900000

Roll d.37 1,0-1,2 Carbon Steel (included on the TOP 504 SM/XM)

16. 6345100000

Roll d.37 1,2-1,6 Carbon Steel

17. 6345300000

Roll d.37 1,2-1,6 Flux Cored

18. 6327200000

Roll d.37 1,6-2,4 Flux Cored

19. 6345200000

Roll d.37 1,0-1,2 Aluminium

20. 6350500000

Roll d.37 1,6-2,4 Aluminium

21. 6055900000

Gas Regulator 2 Gauges (Italian Gas Connection)

22. 6014910000

Helmet Aspire Jackson

