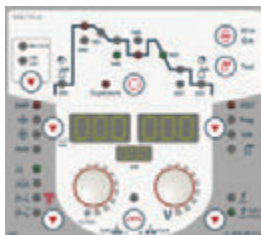



Taurus 351 • 401 • 451 • 551 Synergic S HP/LP MM FDW
MULTIMATRIX

- /forceArc®
- /rootArc®
- /superPuls


drive HP

drive LP


Control	Page	124
Wire feed rollers	Page	286
Options/accessories	Page	271
Function torch	Page	310

- Water-cooled welding machine with separate drive 4X HP wire feeder with one-knob Synergic HP control
- Excellent Multimatrix welding characteristics
- Adjustable start and end-crater functions
- Program operation with 16 programs per JOB
- Synergic or manual welding operation
- Equipped at no extra charge with EN 1090 certified Synergic characteristics for EWM forceArc, rootArc and supePuls
- Equipped at no extra charge with EN 1090 certified Synergic characteristics for GMAW welding of steel/CrNi/aluminium
- Suitable for MMA welding, TIG welding and gouging at no extra charge
- Infinitely adjustable arc dynamics (choke effect)
- Large power reserves thanks to high duty cycle with all components heating up less as a result, guaranteeing a longer service life for machines when in use
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped for 1.2 mm steel wire
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 12-litre water tank
- Energy-saving thanks to high efficiency and standby function
- Easy, tool-free change of welding polarity
- High mains voltage tolerances +20%/-25% and therefore fully generator-compatible
- Ideally suited for use with long hose packages
- Connection capability for remote control and function torch
- Option to network via LAN or WiFi thanks to Multimatrix technology, Xnet-compatible
- HP control in wire feeder can be easily exchanged for LP control at any time



Taurus	351	401	451	551
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)			
Mains fuses (slow-blow)	3 x 25 A	3 x 32 A		
Open circuit voltage	80 V			
Setting range for welding current	5 A - 350 A	5 A - 400 A	5 A - 450 A	5 A - 550 A
Duty cycle 40 °C	-		450 A / 80 %	550 A / 60 %
	350 A / 100 %	400 A / 100 %	420 A / 100 %	
cos φ	0.99			
Efficiency	90 %			
Dimensions LxWxH in mm	1100 x 455 x 1000			
Weight	118 kg		129 kg	
Wire feeder, LxWxH in mm	660 x 280 x 380			
Weight, wire feeder	13 kg			



Type	Designation	Item no.
Taurus 351 Synergic S MM FDW	MIG/MAG multiprocess welding machine with MULTIMATRIX technology, decompact, mobile, water-cooled	090-005345-00502
drive 4X HP	Wire feeder, water-cooled, Euro torch connector	090-005392-00502
drive 4X LP		090-005412-00502
MIG W 7POL 70qmm 450A 1m	Intermediate hose package, water-cooled, 7-pole	094-000406-00000
MIG W 7POL 70qmm 450A 5m		094-000406-00001
MIG W 7POL 70qmm 450A 10m		094-000406-00002
MIG W 7POL 70qmm 450A 15m		094-000406-00004
MT451W M9 3m		094-500059-00000
MT451W M9 4m	MIG/MAG welding torch, water-cooled	094-500059-00004
MT451W M9 5m		094-500059-00005
WK70mm²-4m/Z	Welding lead	092-000013-00000
DM 842 Ar/CO2 230bar 30I D	Pressure regulator with manometer	394-002910-00030
KF 23E-10, -10	Coolant (-10 °C), 9.3 l	094-000530-00000
OW CEE 32A	Factory-fit option, mains plug including fitting	092-008215-00000
ON HS XX1	Mount for hose packages and remote control	092-002910-00000
KOS27	Commissioning: 1 hour	KOS-V00027-00000
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Taurus 401 Synergic S MM FDW	MIG/MAG multiprocess welding machine with MULTIMATRIX technology, decompact, mobile, water-cooled	090-005346-00502
drive 4X HP	Wire feeder, water-cooled, Euro torch connector	090-005392-00502
drive 4X LP		090-005412-00502
MIG W 7POL 70qmm 450A 1m	Intermediate hose package, water-cooled, 7-pole	094-000406-00000
MIG W 7POL 70qmm 450A 5m		094-000406-00001
MIG W 7POL 70qmm 450A 10m		094-000406-00002
MIG W 7POL 70qmm 450A 15m		094-000406-00004
MT451W M9 3m		094-500059-00000
MT451W M9 4m	MIG/MAG welding torch, water-cooled	094-500059-00004
MT451W M9 5m		094-500059-00005
WK70mm²-4m/Z	Welding lead	092-000013-00000
DM 842 Ar/CO2 230bar 30I D	Pressure regulator with manometer	394-002910-00030
KF 23E-10, -10	Coolant (-10 °C), 9.3 l	094-000530-00000
OW CEE 32A	Factory-fit option, mains plug including fitting	092-008215-00000
ON HS XX1	Mount for hose packages and remote control	092-002910-00000
KOS27	Commissioning: 1 hour	KOS-V00027-00000
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Taurus 451 Synergic S MM FDW	MIG/MAG multiprocess welding machine with MULTIMATRIX technology, decompact, mobile, water-cooled	090-005347-00502
drive 4X HP	Wire feeder, water-cooled, Euro torch connector	090-005392-00502
drive 4X LP		090-005412-00502
MIG W 7POL 70qmm 450A 1m	Intermediate hose package, water-cooled, 7-pole	094-000406-00000
MIG W 7POL 70qmm 450A 5m		094-000406-00001
MIG W 7POL 70qmm 450A 10m		094-000406-00002
MIG W 7POL 70qmm 450A 15m		094-000406-00004
MT451W M9 3m		094-500059-00000
MT451W M9 4m	MIG/MAG welding torch, water-cooled	094-500059-00004
MT451W M9 5m		094-500059-00005
WK70mm²-4m/Z	Welding lead	092-000013-00000
DM 842 Ar/CO2 230bar 30I D	Pressure regulator with manometer	394-002910-00030
KF 23E-10, -10	Coolant (-10 °C), 9.3 l	094-000530-00000
OW CEE 32A	Factory-fit option, mains plug including fitting	092-008215-00000
ON HS XX1	Mount for hose packages and remote control	092-002910-00000
KOS27	Commissioning: 1 hour	KOS-V00027-00000



Taurus 551 Synergic S MM FDW	MIG/MAG multiprocess welding machine with MULTIMATRIX technology, decompact, mobile, water-cooled	090-005348-00502
drive 4X HP	Wire feeder, water-cooled, Euro torch connector	090-005392-00502
drive 4X LP		090-005412-00502
MIG W 7POL 95qmm 550A 1m	Intermediate hose package, water-cooled, 7-pole	094-000407-00000
MIG W 7POL 95qmm 550A 5m		094-000407-00001
MIG W 7POL 95qmm 550A 10m		094-000407-00002
MIG W 7POL 95qmm 550A 15m		094-000407-00006
MT551W M9 3m		094-500060-00000
MT551W M9 4m	MIG/MAG welding torch, water-cooled	094-500060-00004
MT551W M9 5m		094-500060-00005
WK95mm²-4m/Z	Welding lead	092-000171-00000
DM 842 Ar/CO2 230bar 30l D	Pressure regulator with manometer	394-002910-00030
KF 23E-10, -10	Coolant (-10 °C), 9.3 l	094-000530-00000
OW CEE 32A	Factory-fit option, mains plug including fitting	092-008215-00000
ON HS XX1	Mount for hose packages and remote control	092-002910-00000
KOS26	Customised configuration with assembly for decompact systems	092-002685-00001
KOS27	Commissioning: 1 hour	KOS-V00027-00000

► * Alternative, not included in the final total