



FastMig X

Setting the New Standard of Excellence
in Manual Welding



The most intelligent MIG welder of today

- Full utilization of welding management software (KAS) and arc improving Wise software
- Fully upgradable



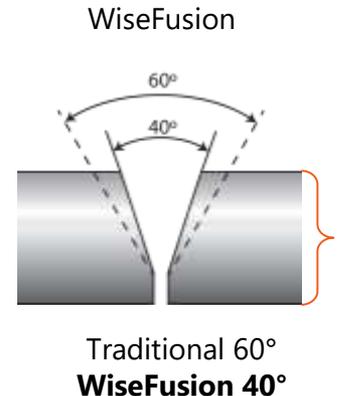
FastMig X – a modular system

- The final setup is always configured to meet your needs
- Three upgradable sample setups: Regular, Pipe and Intelligent



Productivity

- Strong and reliable power source, high duty cycle 60 / 80 % ED
- WiseFusion as a standard
 - The high energy density of the arc allows to weld in narrower grooves, which saves time and filler material
 - It also provides the possibility to increase the welding speed by up to **30 %** in many applications
 - Even **25 %** lower heat input results in reduced distortion and improved weld quality



Productivity

- WiseRoot+ – the ultimate MIG/MAG process for root welding without backing
 - Weld over 80 % more per day and save 50 % in labor and filler costs, see cost calculation next page
- WiseThin+ – from thin sheets to thick plates vertical up welding with either mixed gas or CO₂
 - Offers even 20 % higher welding speed in vertical up welding
- SuperSnake subfeeder – powerful solution for long distances
 - Up to 35 m reach



Weld over **80 %** more per day and save **50 %** in labor and filler costs with **WiseRoot+**

Pipe welding test with WiseRoot+
MIG/MAG vs. **WiseRoot+**



Welding travel speed = 16,8 min/m
Welding travel speed = 8,8 min/m



Time spent on one pipe = 28 min
Time spent on one pipe = 14,6 min



Creates slag and
spatter A lot of after
work costs



No slag & spatter
Less after work cost



Welded pipes per 8-hour work day \approx 3,5
Welded pipes per 8-hour work day \approx 6,6

Comparison table for root pass welding of a 530 mm pipe
Arc time = 20 % and labour costs = 30 € per hour
See calculation.

Weld over **80 % more** per day and save **50 %** in labour and filler costs with **WiseRoot+**

MIG/MAG

Groove area for filling & capping



Root pass

Filling material:

Ø 1,2 mm solid wire (Fe)

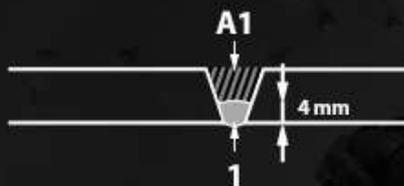
Welding travel speed:

120 mm/min

PF, vertical up

Groove area:

A1 = 67 mm²



Filling and capping passes

Filling material:

Ø 1,2 mm flux-cored wire

Welding travel speed:

2. pass 220 mm/min = 4,5 min/m (PF)

3. pass 250 mm/min = 4,0 min/m (PF)



Time: 16,8 min/m

Length (8 h): 6 m

Labour cost: 8,4 €/m (30 € per hour)

Filler cost: 9,44 €/m

Total welding time and costs

WiseRoot+

Groove area for filling & capping



Root pass

Filling material:

Ø 1,2 mm solid wire (Fe)

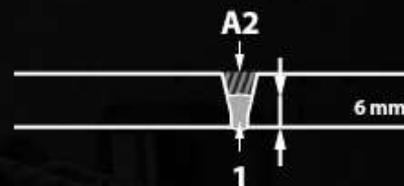
Welding travel speed:

220 mm/min

PG, vertical down

Groove area:

A2 = 33 mm²



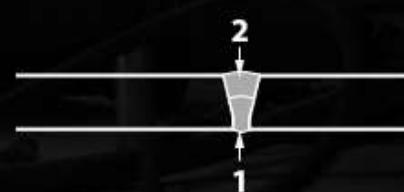
Filling and capping passes

Filling material:

Ø 1,2 mm flux-cored wire

Welding travel speed:

2. pass 230 mm/min = 4,3 min/m (PF)



Time: 8,8 min/m

Length (8 h): 11 m

Labour cost: 4,4 €/m (30 € per hour)

Filler cost: 5,03 €/m

Total welding time and costs

Flexibility

- Multi process and multi purpose welding solution for MIG/MAG, Synergic MIG, Pulse and Double pulse MIG, Stick (MMA) and TIG* processes
- Modular set-up can be configured to meet all your needs, many optional accessories
- Upgradable. A wide range of welding programs (Match software) and application-specific processes and functions with Wise software

* with MasterTig LT 250



Phenomenal Quality

- FastMig X is fully compatible with Kemppi ARC System 3 that is a comprehensive set of welding management software tools
- Built in arc voltage measurement
 - Shows the actual arc voltage, regardless of the cable diameter or length
 - Easy to keep the desired welding voltage inside the welding instruction requirements



Durability

- Strong GT04 wire feed mechanism
 - Feeds easily even the thickest self-shielded filler wires
 - Very accurate wire feed also in slow feeding speed
 - Included in the WXF 300 P wire feeder
- All wire feeders have an impact-resistant double skin casing



FastMig X sample setup Regular

- **For robust workshop use - efficient MIG/MAG welding including pulsed arc**
- FastMig X 450 Power source (alternatively 350/350 MV)
- WFX 300 Wire feeder (alternatively WFX 200)
- Cool X cooling unit



Special processes and welding programs

- WiseFusion
- WorkPack (21 programs)

Welding processes

- MIG/MAG
- Synergic MIG
- Pulse MIG
- Double Pulse MIG
- TIG (with MasterTig LT 250)
- Stick (MMA)



Sample setup Pipe (stainless steel)

High-quality welding on pipes and plates - from root to the top

- FastMig X 450 Power source (alternatively 350/350 MV)
- WFX 300 P Ss Wire feeder (alternatively WFX 200 P Ss)
- Cool X cooling unit



Special processes and welding programs

- WiseRoot+
- WiseFusion
- Pipe Stainless pack
- Match Log



Welding processes

- MIG/MAG
- Synergic MIG
- TIG (with MasterTig LT 250)
- Stick (MMA)



Sample setup Pipe (steel)

High-quality welding on pipes and plates – from root to the top

- FastMig X 450 Power source (alternatively 350/350 MV)
- WFX 300 P Fe Wire feeder (alternatively WFX 200 P Fe)
- Cool X cooling unit



Special processes and welding programs

- WiseRoot+
- WiseFusion
- Pipe Steel pack
- Match Log

Welding processes

- MIG/MAG
- Synergic MIG
- TIG (with MasterTig LT 250)
- Stick (MMA)



FastMig X sample setup Intelligent

Designed to meet the diverse needs of any metal fabrication workshop

- FastMig X 450 Power source (alternatively 350/350 MV)
- WFX 300 AMC Wire feeder (alternatively 200 AMC)
- Cool X cooling unit
- ARC Mobile Control



Welding processes

- MIG/MAG
- Synergic MIG
- Pulse MIG, double Pulse MIG
- TIG (with MasterTig LT 250)
- Stick (MMA)

Special processes and welding program packs

- WiseThin+ and WisePenetration
- WiseFusion and MatchLog
- Steel pack (14 programs)
- Steel pack for WiseThin+ (14 programs)
- Stainless pack (12 programs)
- Aluminum pack (12 programs)



ARC Mobile Control



ARC Mobile Control

Safety and savings with the most advanced control device for demanding professionals

- Easy and precise adjustment of settings
- Fast and effortless copying of parameters to several units
- Safe and easy back-up of welding setting files

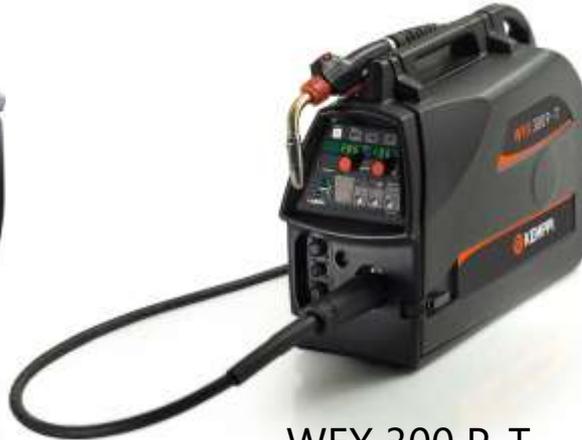


Tailored versions

For customers who need certain modifications from the sample setups, we offer an empty wire feeder order option. With a configurator tool, the customer can select the desired software which will be downloaded in the production or just order an empty feeder.



WFX 200-T



WFX 300 P-T



WFX 300-T



FastMig X

- Intelligent and upgradable: compatibility with welding management software (KAS) and arc improving Wise software
- Productivity: speed & savings with Wise+ processes
- Flexibility: modularity and smart choice of optional features, like SuperSnake subfeeder
- Quality: exact arc voltage measurement
- Durability: Strong GT04 wire feed mechanism, double skin casing