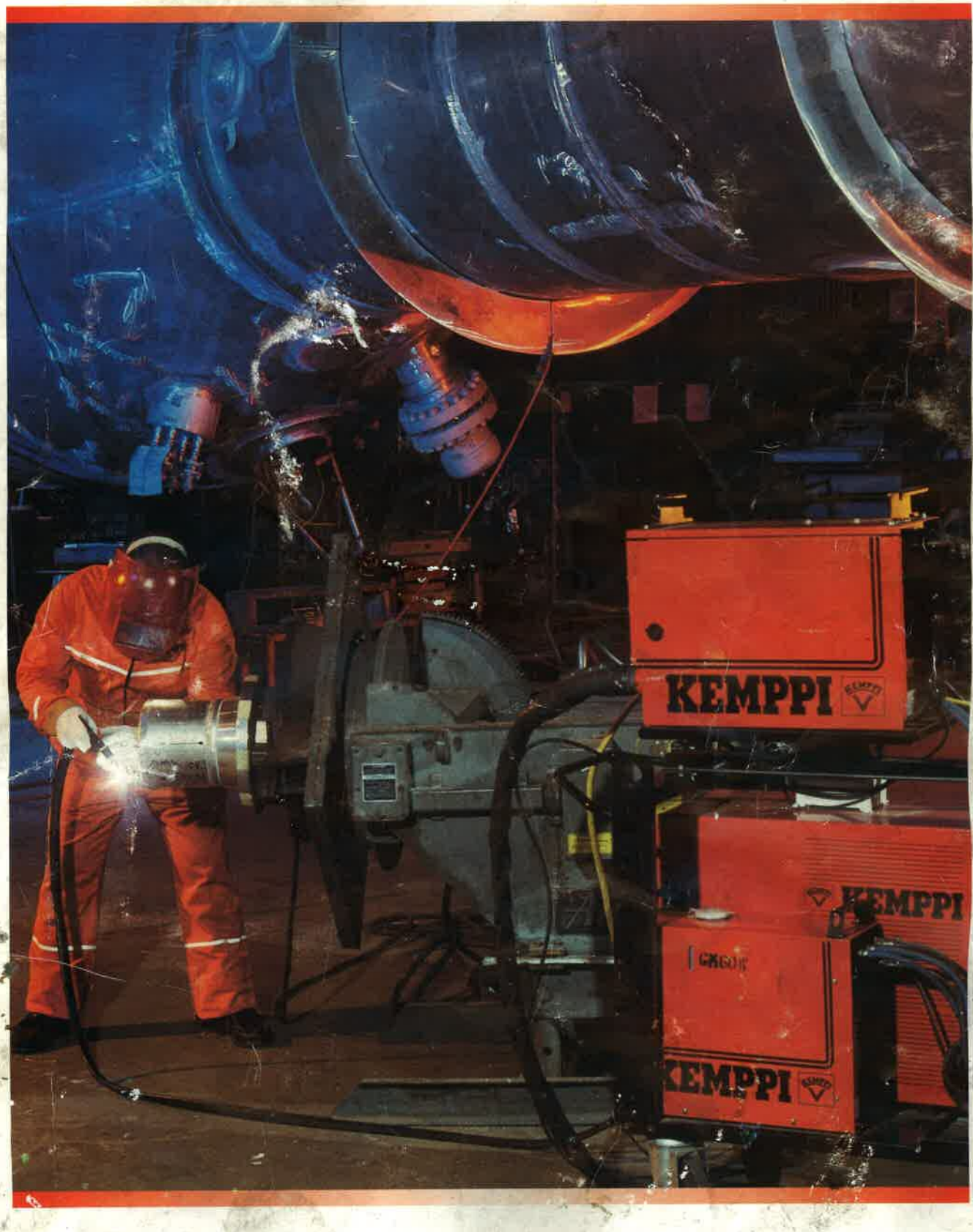
KEMPPI MULTISYSTEM

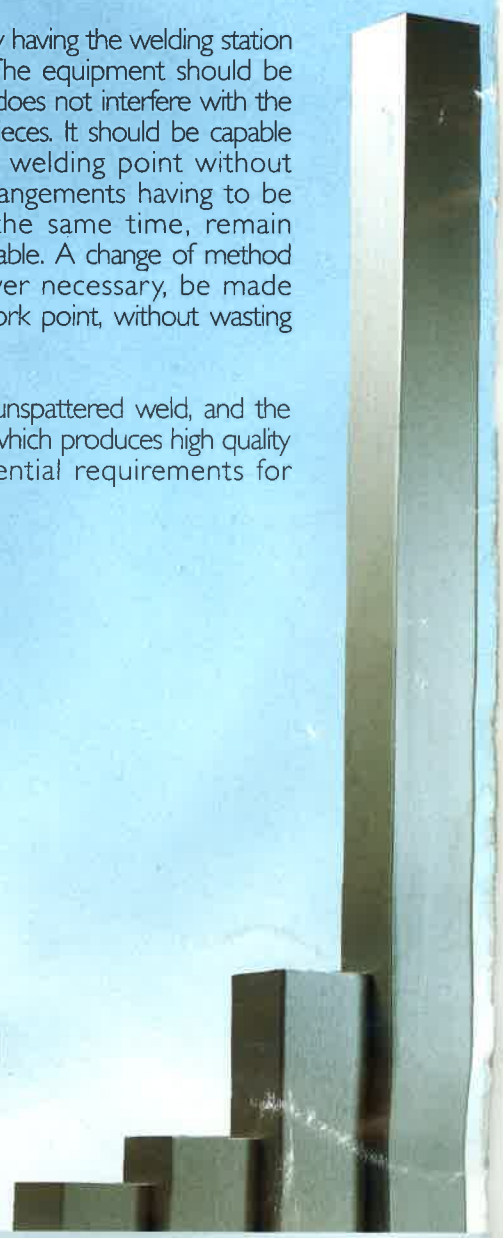


What is the cost of welding?

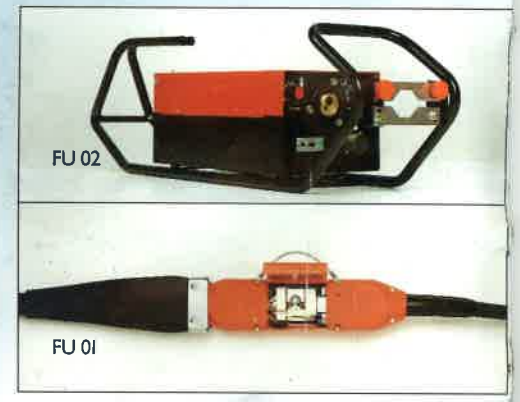
The cost is broken down into labour, filler material, shielding gases, energy and equipment. Since labour accounts for by far the greater part of the total – approximately 75 % – it is this area where an effort must be made to economise.

In manual welding the amount of preparation time spent by the welder on handling, grinding, setting conditions and other operations depends very much on the equipment at his disposal. Full use of the welder's skill can only be made while the arc is actually burning. Also, unnecessary work stages can be eliminated with the right choice of welding equipment and by having the welding station well organised. The equipment should be located where it does not interfere with the handling of the pieces. It should be capable of reaching the welding point without complicated arrangements having to be made and, at the same time, remain completely adjustable. A change of method should, whenever necessary, be made directly at the work point, without wasting time.

A neat, flawless, unspattered weld, and the welding method which produces high quality results, are essential requirements for efficiency.



EQUIPMENT	ENERGY + GAS	FILLER MATERIAL	LABOUR
3 %	6 %	16 %	75 %



MULTISYSTEM

The key to productive welding

The Multisystem, a welding system consisting of modules offers the most productive configuration for all welding jobs.

- Assemble the right equipment to meet particular needs from the modules of the Multisystem.
- Select the most productive welding method: in DC current manual metal arc, TIG, MIG, pulse MIG and in AC current manual metal arc and TIG.
- Excellent welding characteristics with any method.
- Complete remote control without interrupting the welding.

- The method can be changed easily to pre-selected welding parameters.
- The Multisystem consists of modules, so maintenance can be carried out in the minimum of time.
- The light weight MIG and TIG units can be sited far from the power source. In MIG/MAG welding the FU sub feeder can be connected to the FU wire feeders so that welding up to 20 m is possible.

THE KEMPPI INVERTER – THE

Multisystem DC current power sources PS 2800, PS 3500 and PS 5000

With the PS power source, professional welding requirements are met by taking advantage of advanced electronics. It is the smallest and lightest in its power class. It does not waste energy, directing all its power to the arc. The PS power sources available cover all the most important welding power classes:

PS 2800	280 A
PS 3500	350 A
PS 5000	500 A

With a Multisystem remote control unit the welding parameters for the power source can be set manually at the work place without interrupting the welding. Compared with conventional power sources, the speed of adjustment of the PS power source is up to 100 times faster. The high adjustment speed allows improved control of the welding process which means in effect that the welding properties are superior.

Conventional power sources do not adjust themselves as well to fluctuations in the mains voltage as do the PS power sources. Its low power requirements makes it possible to connect to almost any power supply with the PS (PS 2800/16 A fuse). The Multisystem welding system can be connected direct to mechanised welding equipment.

The power sources are protected against overloading. A thermostatically controlled fan and filter help to protect them from dust. The fan effectively takes care of the cooling in the case of arduous welding. Operating safety is guaranteed by an excess voltage trip. The ignition pulse makes sure that the arc ignites every time. The arc burns steadily, maintaining the preset parameters despite fluctuations in the mains voltage.
Round the power source you can build up an effective configuration which can be extended later on.

HEART OF THE MULTISYSTEM

Multisystem AC/DC current power sources PSS 3500 and 5000; simple change over from one method to another in two power classes

With PSS power sources you can weld by all welding methods which would normally require four high quality conventional power sources. The PSS power sources have excellent welding characteristics when using direct current (DC) in MMA, TIG and MIG welding as well as with alternating current (AC) in MMA and TIG welding. With the PSS 5000, pulse-MIG welding can also be carried out when used in conjuction with the C 120P pulse unit.

Productivity and quality

Productivity is increased when welding if the diposition of material per ampere/minute is high. MIG/MAG and pulse-MIG methods can increase productivity particularly if replacing MMA and TIG. The PSS power sources ensure a fast change over from one welding method to another, so that a balance between quality and productivity can be optimised.

Unbeatable practical technology

The automatic current type selector of the PSS power sources makes welding faster and easier. The power sources give the required current type automatically when the operating switch of the welding torch is pressed. Changing from one method to another is simply by changing the torch. In MIG/MAG welding two wire feed units can be connected to the PSS. Different current types can be selected for the individual wire feed units.
Welding becomes faster, when for example, there are different welding operations at the same workplace and the correct material and current type can easily and quickly be selected.

Lincoln 400 Amp DC Stick £350

Choose Pulsed mig £300

THE MULTISYSTEM PROVIDES

£850

WATER COOLER

MIG/MAG WELDING

The modern electronics of the Multisystem MIG/MAG equipment guarantee perfect ignition and a steady arc. They also keep spatter down to a minimum with all weldable materials. The provision of complete remote control of voltage and wire feed rate throughout the entire power range, makes it possible to set the most appropriate welding parameters for any particular welding point quickly and accurately. FU wire feed units are reliable, versatile and easy to use. The voltage and wire feed rate can be set either on the power source or by remote control. The stepless control of burn-back time is standard in FU units. The feed wheel snap-connection clamp and the spool hub snap coupling reduce down-time when changing the wire pool. The excellent wire feed properties are the result of properly dimensioned, large-diameter feed wheels which allow a balanced drive to the wire. When the sub feed units are connected to the FU wire feed unit, the properties of the standard equipment are enhanced by making it possible to weld at a distance of as much as 20 metres from the wire feed unit. Accurate and versatile remote control units make the welder's work easier, and improve productivity.

You can choose between a normal and preprogrammable remote control unit. Alternatively you can choose a MT welding gun with remote control unit from the complete range of welding guns. With different kinds of auxiliary function units and metering devices, you can get more benefit from your machine.

TIG-WELDING

Multisystem is also productive in TIG-welding. When TIG welding is the most suitable method required, the Multisystem offers a choice of reliable, fully-electronic TU high frequency units. Automatic interruption, pulse current and slope functions make the welder's work easier. The ability to control the process remotely, without having to interrupt the arc, ensures efficient welding with increased reliability. Welding may sometimes disrupt communication frequency signals and ADP equipment. The TU high frequency unit minimises interference. The 30V safety voltage of the Multisystem TIG machine allows it also to be used in cramped, humid and enclosed places.

VERSATILE OPPORTUNITIES

MMA WELDING

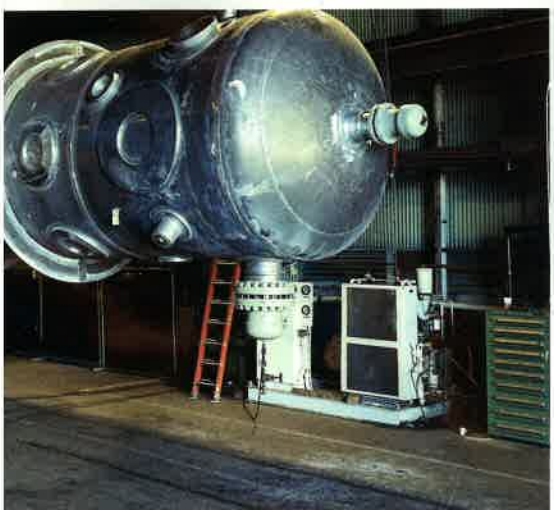
The PS power sources by themselves are suitable for productive MMA welding. The ignition pulse ensures that the arc ignites every time. The arc burns steadily, maintaining the preset parameters unchanged despite fluctuations in the mains voltage. On a welding site or factory installation, it is often necessary to change the welding station. The PS power sources are easy to move from one place to another on their special trolleys, even under most difficult conditions. Because of their low power requirements - supply problems are minimal. With a wide range of remote control units and auxiliary function units the capabilities of the power sources can be extended.

ALL IN ONE – all the welding methods in the one package

A complete unit can be made-up from the Multisystem modules to give you the three most common welding methods with AC or DC current in the same package. In addition pulse-MIG welding and garbon arc gouging are possible, too. The Multisystem power sources, wire feed, high frequency and water circulation units – together with remote control units and trolleys – represent the most up-to-date technology in welding. Many different auxiliary function units simplify the work of the welder and increase productivity of his work. In circumstances where the work place demands a continuous change of welding method, the Multisystem is a really worthwhile investment.

Welding Aluminium by TIG

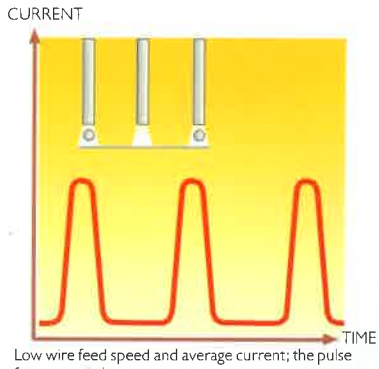
The square wave of the PSS welding current guarantees excellent welding characteristics throughout the entire current range. The automatic change in the welding current frequency (50 Hz–100 Hz) when reducing the welding current, gives excellent cleaning and a stable arc. In complicated welding operations the optimum penetration, form and cleaning of the welding seam is achieved by the welding current balance control as shown below.



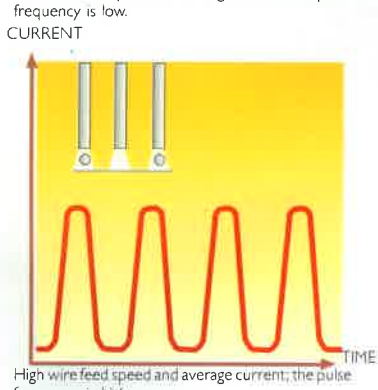
The PSS power sources have ignition automation which means that the arc ignites without fail. It always ignites the AC-TIG on DC and automatically changes over to AC when tha arc has been ignited. The PSS meets all the safety norms applicable to AC welding.

MULTISYSTEM IN PULSE-MIG WELDING

In many cases conventional MMA and TIG welding can be replaced by the faster and more productive pulse-MIG method. The Multisystem PS 5000 MIG system becomes a pulse-MIG machine simply by connecting to it the C 120P pulse unit and the PSM 11 auxiliary function unit. The C 120P pulse unit has pre-programmed pulse parameters for wire of three different wire diameters and for three different materials. The pre-programmed pulse control makes it necessary to set only the welding current and the length of the arc while welding. These parameters are easily set with the C 110D remote control unit at the place of welding. The Multisystem PS 5000 pulse-MIG guarantees high quality and productivity even when welding difficult materials. At its best it can weld aluminium and stainless steel as much as 20% more productively than is possible with normal MIG-welding. Each wire dimension has a wide welding current range, and it can weld base materials of different thicknesses in all welding positions. Pulse-MIG makes it easy to get a clean and flawless weld as well as the optimum weld shape. The welding has no spatter and thus ensures an excellent appearance that does not require cleaning. The equipment can also be connected easily for robotic and automated use.

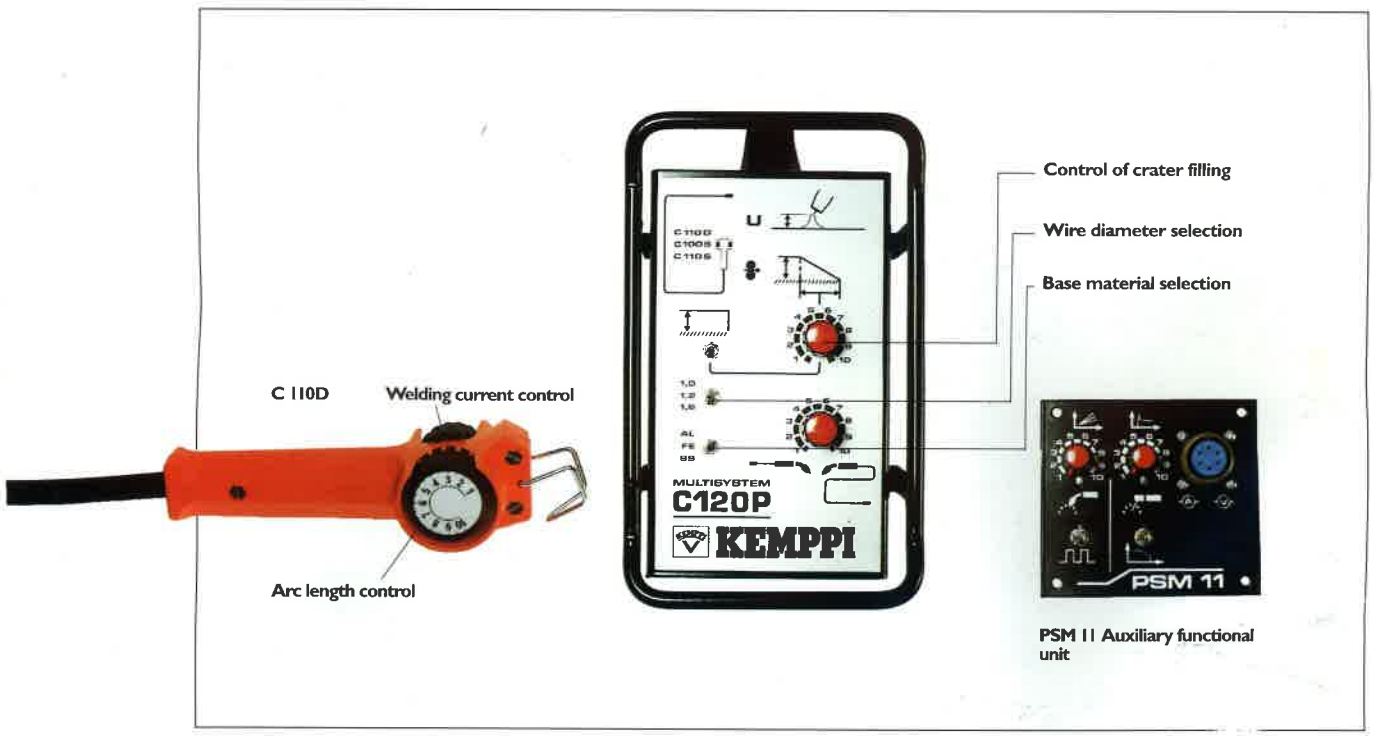


Low wire feed speed and average current; the pulse frequency is low.



High wire feed speed and average current; the pulse frequency is high.

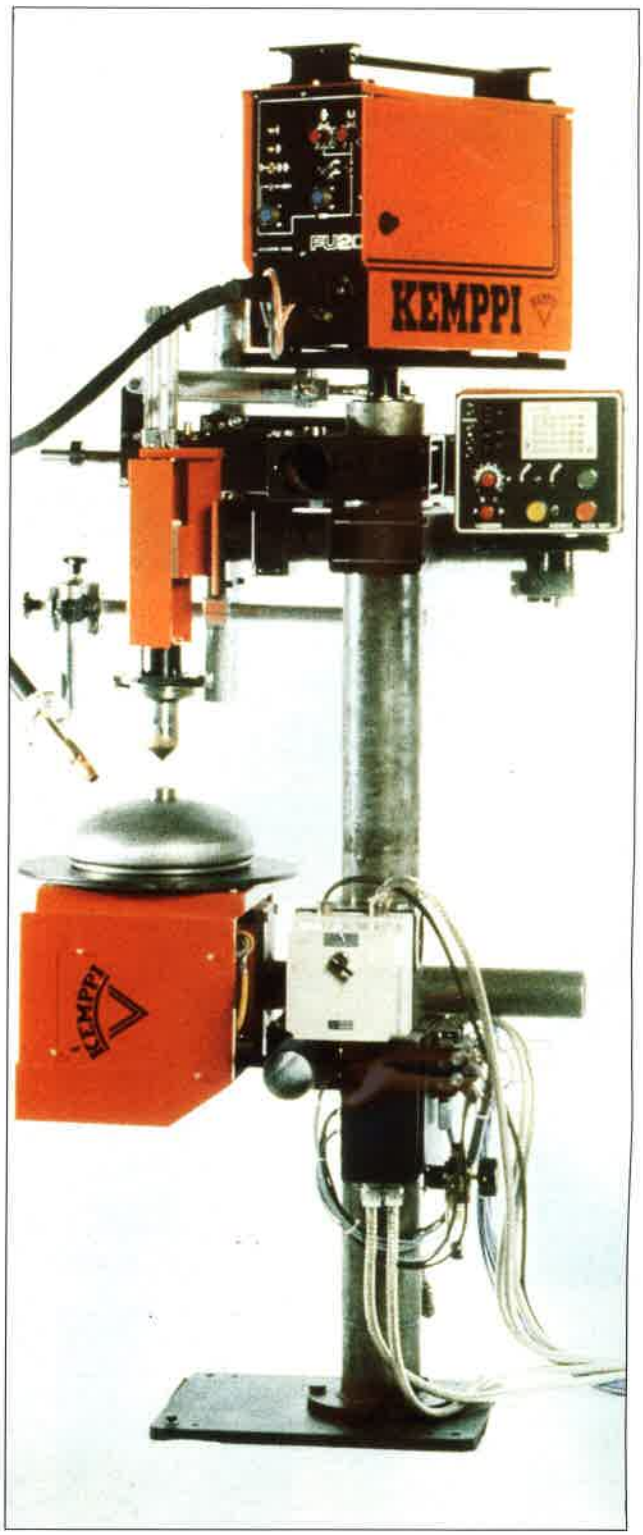
Synergic pulse-MIG and two different wire feed parameters.



PSM 11 Auxiliary functional unit

MECHANISED AND ROBOTIC WELDING

The Multisystem is suitable for mechanised and robotic welding without modification. All the power sources can be steplesly controlled remotely throughout the entire setting range. The arc ignites reliably every time. Multisystem equipment is compact and easy to fit on to the automated/robot installation. The welding parameters can be set by the robot programming equipment. The Multisystem is then able to feed back the welding data to the control equipment of the robot. Multisystem equipment meets the highest demands of properties and reliability for automated robotic welding. When the FA 1 auxiliary function unit is attached to the wire feed unit it can be interfaced with the robot control equipment. The settings and feed back data of the welding parameters go through this unit. The parameters can be adjusted continuously; the robot can be pre-programmed with various auxiliary functions, such as crater fill and creep start.



MULTISYSTEM EQUIPMENT AND ACCESSORIES

WIRE FEED UNITS

The FU wire feed units are reliable, versatile and easy to use. There are several different versions from which to choose.

HIGH FREQUENCY UNITS

The TU high frequency units are reliable and safe. They are easy to handle and are suitable both for gas and water cooled TIG welding. Three different types available.

AUXILIARY FUNCTION UNITS

The Multisystem can be equipped with a wide range of auxiliary function units which extend the properties of the power sources.

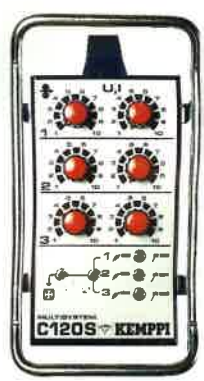
Auxiliary function unit for MIG-welding, start and end current adjustment, contact ignition, cycle arc and spot welding possibilities.

Pulse unit for TIG-welding, with a so called long pulse unit the welding parameters can be adjusted steplessly.
For more alternatives see the chapter order information.

Outer metering device for welding parameter control, the values can be locked on the display, available also stationary (PSM 20).

Universal pulse unit which enables the pulse-MIG welding, stepless adjustment of MIG-dynamics, adjustment of ignition pulse in MMA-welding, switch for point to point welding in tack welding, MU 20D connection.

REGULATORS



Selector unit for preprogramming of welding parameters.

MIG-WELDING GUNS
TIG-TORCHES
ELECTRODE HOLDERS

Kemppi offers also a complete range of MIG welding guns and TIG welding torches as well as electrode holders.







Remote control unit for continuous welding.

Remote foot control unit for TIG welding.

TECHNICAL DATA

POWER SOURCES		PS 2800	PS 2800 4-voltage	PS 3500	PS 3
Welding current range					
MMA/TIG	A/V	10/10–280/31.5	10/10–280/31.5	10/10–350/34	10/1
MIG/MAG	A/V	25/11–280/28	25/11–280/31.5	40/12–350/31.5	40/1
Loadability ED	A/%	280/40	280/40	350/60	350/
		176/100	176/100	270/100	270/
Connection voltage 3-phase 50–60 Hz	V	380–415	230/380–415/460/500	380–415	230/415/
Connection capacity 100% ED	kVA	7.2	7.1/8.6/9.5/9.6	13.2	13.2
Fuse plugs, delayed	A	16	20/16/16/16	20	35/2
Open circuit voltage	V	75	73	80	80
Dimensions, length x width x height	mm	460x260x440	530x260x470	640x310x500	660
Weight	kg	33	39	55	64

WIRE FEED UNITS		FU 05	FU 5P	FU 10	FU 20	FU 30
Connection voltage 50–60 Hz	V	30	30	30	30	30
Connection capacity	VA	120	120	120	120	appr. 220
Loadability ED 60 %	A	500	500	500	500	600
Wires						
solid wire, steel	Ø mm	0.6–1.6	0.6–1.6	0.6–1.6	0.6–1.6	0.6–2.4
solid wire, aluminium	Ø mm	1.0–1.6	1.0–1.6	1.0–1.6	1.0–1.6	1.0–2.4
flux core wire	Ø mm	0.9–1.6	0.9–1.6	0.9–1.6	0.9–1.6	0.9–3.2
Wire spool diameter	Ø mm	max. 200	200	300	300	300, 400
Wire feed speed	m/min	0–18	0–18	0–18	0–18	0–18
Pre-programmed channels for welding parameters (U and ⇢)	pcs	–	6	–	–	–
Dimensions, length	mm	460	460	480	570	700
width	mm	210	210	220	225	245
height	mm	280	280	390	470	470
Weight	kg	10	12	14	21	27
Intermediate cable lengths	m	–	–	–	–	–

[1] FU 01 gas cooled 450 A CO_2 /350 A mixed gas
[2] FU 01 W water cooled
[3] Total weights 10 m/14.5 kg, 15 m/22 kg,
[4] Total lengths with 3 m MT-torch 13, 18 a

MT-WELDING GUNS	MT 28	MT 32	MT 38	MT 48
Loadability				
CO_2	280 A 60%	320 A 60%	380 A 60%	480 A 60%
Ar, Ar+CO_2	230 A 60%	260 A 60%	300 A 60%	350 A 60%
Cooling method	air	air	air	air
Welding fires Ø mm				
Fe, solid wire	0.6...1.2 mm	0.6...1.2 mm	0.6...1.6 mm	0.6...1.6 mm
Fe, (or Ss) flux core wire	0.8...1.2 mm	0.8...1.2 mm	0.8...1.6 mm	0.8...1.6 mm
Ss, solid wire	0.6...1.2 mm	0.6...1.2 mm	0.6...1.6 mm	0.6...1.6 mm
Al, solid wire	0.8...1.2 mm	0.8...1.2 mm	1.0...1.6 mm	1.0...1.6 mm
The gun is equipped with wire conduit for stainless steel welding (other wire conduits at order)	red 0.9...1.2 mm	red 0.9...1.2 mm	red 0.9...1.2 mm	red 0.9...1.2 mm
Cable lengths	3 or 4.5 m	3 or 4.5 m	3 or 4.5 m	3 or 4.5 m

4-voltage	PS 5000
50/34	10/10–500/40
50/31.5	40/12–500/39
	500/60
	390/100
–	380–415
/500	
	21.4
)/20	35
	80
)x520	710x360x580
	93

	FU 02 Sub feeder	FU 01 Sub feeder
	–	–
	–	–
	450	450/350[1)] 450[2)]
	0.8–1.6	0.8–1.2 (1.6)
	1.0–1.6	1.0–1.6
	0.9–1.6	0.9–1.2
	–	–
	0–18	0–18
	–	–
	750	380
	200	90
	225	90
	9.9	1.7[3)]
	10, 15,	10, 15, 20[4)]

)25 kg
)m

T41W	MT 51 W
0 A 100%	500 A 100%
0 A 100%	450 A 100%
ter	water
1.2 mm	0.8...1.6 mm
1.2 mm	0.8...3.2 mm
1.6 mm	0.8...1.6 mm
1.2 mm	1.0...1.6 mm
	red
1.2 mm	0.9...1.2 mm
4.5 m	3 or 4.5 m

POWER SOURCES		PSS 3500	PSS 5000.
Adjustment range DC	A	10–350	10–500
AC		15–330	15–450
Loadability			
60 % ED	A/V	350/34	500/40
80 % ED		330/33.2	450/38
100 % ED		270/31	390/35.6
Connection voltage	V	380–415	380–415
3-phase 50–60 Hz			
Connection capacity	kVA	18	28
Fuse plugs, delayed	A	20	35
Open circuit voltage	V	appr. 80 DC	appr. 80 DC
Welding methods		MMA, TIG, MIG/MAG	MMA, TIG, MIG, Pulse-MIG
Current types		DC+, DC-, AC	DC+, DC-, AC
Dimensions			
length x width x height	mm	710 x 360 x 610	840 x 360 x 610
Weight	kg	100	133
Auxiliary function units		Multisystem-units (FU,TU,C-remote control units)	Multisystem-units (FU,TU,C-remote control units)

WATER COOLING UNIT		WU 10
Connection voltage, 1-phase 50–60 Hz	V	220–240
Rated power	VA	215
Tank volume	l	3
Max flow	l/min	4
Cooling capacity	kW	1.4
Max pressure	bar	2.8
Dimensions length x width x height	mm	450 x 190 x 420
Weight	kg	16

KT-TORCHES		KT 130	KT 150	KT 150 FL	KT 200	KT 200 W	KT 250 WFL	KT 300 W
Loadability								
100 % ED DC	A	130	150	150	200	200	250	300
Cooling		Gas	Gas	Gas	Gas	Water	Water	Water
Cable length	m	4/8	4/8	4/8	4/8	4/8	4/8	4/8

TIG-UNITS		TU 10	TU 20	TU 50N
Connection voltage 50–60 Hz	V	30	30	30
Connection capacity	VA	35	35	35
Loadability ED 60 %	A	300	300	500
Minilog-control		no	yes	yes
Dimensions				
lenght x width x height	mm	400 x 190 x 290	400 x 190 x 290	400 x 215 x 400
Weight	kg	13	14	16

nming

MIG-W
TIG-TC
ELECT

ORDER INFORMATION

Kemppi c
of MIG w
welding t
holders.

Remote co

Remote foc

1. POWER SOURCES

6142253	PS 2800	power source 380-415 V
6142254	PS 2800	power source 220/380-415/460/500 V
6142353	PS 3500	power source 380-415 V
6142354	PS 3500	power source 220/380-415/460/500 V
6142553	PS 5000	power source 380-415 V
6142363	PSS 3500	power source AC/DC 380-415 V
6142555	PSS 5000	power source AC/DC 380-415 V

2. AUXILIARY FUNCTION UNITS

6185651	PSM 10 Auxiliary function unit
6185661	PSM 11 Auxiliary function unit
6185652	PSM 20 V-A-metering device
6185664	MU 20 D Outer metering device
6185602	PSL 20 Auxiliary voltage unit PS 380-415 V/220 V/440 VA (not PSS)
6185603	PSL 21 Auxiliary voltage unit PS 230/380415/460/500 V, (not PSS) connected to 230 V mains; 220 V/3500 VA
6185604	PSL 22 Auxiliary voltage unit PS 230/380-415/460/500 V, (not PSS) 220 V/440 VA
6185627	PSL 55 Voltage unit 220-240/380-415/460-500 V

3. REMOTE CONTROL UNITS

6185405	C 100C Remote foot control unit current/welding
6185410	C 100C MMA TIG, 1-pot.
6185413	C 100D MMA TIG, coarse/fine
6185415	C 100M Welding current adjustment and TIG/MMA remote control
6185416	C 110M Current and current type adjustment/TIG, MMA
6185421	C 110D MIG, voltage/wire feed speed
6185424	C 100P Long pulse unit, TIG
6185426	C 120P Pulse unit, pulse-MIG-welding
6185427	C 120S Selecto unit
6185428	C 130S MIG, 1-knob remote control unit
6185710	Distribution box PSS/TU, FU/C 100-100M

4.REMOTE CONTROL CABLES

4.1 REMOTE CONTROL EXTENSION CABLES/ C 100C, C100D, C 110D ja C 100F

6185451	Remote control extension cable 10 m
6185452	Remote control extension cable 25 m
6185453	Remote control extension cable 50 m
6185310	Remote control extension cable 10 m (C 100F)

4.2 REMOTE CONTROL CABLES C 100P, C 120S

6185454	Remote control cable 1.5 m
6185455	Remote control cable 10 m
6185456	Remote control extension cable 10 m

4.3 REMOTE CONNTROL CABLES C 120P, C 130S

6185457	Remote control cable 1.5 m
6185458	Remote control cable 10 m
6185460	Branch cable C 120P/130S - FU 01/01

5. WIRE FEED UNITS AND AUXILIARY FUNCTION UNITS

6236302	FU 02 Tandem wire feed unit
6231105	FU 05 Wire feed unit
6231110	FU 10 Wire feed unit
6231120	FU 20 Wire feed unit
6231130	FU 30 Wire feed unit
6260117	FU 01 Tandem wire feed unit 10 m
6260118	FU 01 Tandem wire feed unit 10 m/W
6263110	FP 5 Auxiliary function unit (FU 20/ FU 30)
6263111	FP 5SH Auxiliary function and synchronising unit for motorised torch (FU 20/FU 30)
6263113	FA 1 Interface unit for automatised welding (FU 20/FU 30)
6263114	F3 SH Synchronising unit for motorised torch (FU 20/ FU 30)
6263115	F2 S1 Synchronising unit for FU 01, FU 02; and motorised torch (FU 20)

6. TIG-HIGH FREQUENCY UNITS

6271221	TU 10 TIG-high frequency unit
6271222	TU 20 TIG-high frequency unit with control logics
6271223	TU 50 TIG-high frequency unit with control logics

7. WATER CIRCULATION UNITS

6262010	WU 10 220 V-240 V/215 VA

8. TRANSPORT UNITS

6185234	T 1 Fastening base for FU T 20/T 30/T 21/ T 31
6185235	T 2 Fastening base for TU T 20/T 30/T 21/T 31
6185236	T 3 Fastening base for FU+TU T 20/T 30/T 21/T 31
6185238	T 4 Fastening base for FU or TU T 10/PS 3500
6185242	T 7 Fastening base for FU+FU
6185231	T 10 Undercarriage/2 wheels
6185232	T 20 Undercarriage/4 wheels, gas cooled
6185244	T 25 Undercarriage/4 wheels, gas cooled (PS 5000)
6185233	T 30 Undercarriage/4 wheels, water cooled
6185245	T 50 Undercarriage

8.1. TRANSPORT UNITS/ PS 2800

6185227	T 11 Undercarriage/2 wheels, MMA
6185228	T 12 Undercarriage/2 wheels; TIG
6185229	T 21 Undercarriage/4 wheels, gas cooled
6185230	T 31 Undercarriage/4 wheels, water cooled
6185240	T 5 Fastening base; TU/FU 05, FU 10 (T11/T12)

9. MIG-WELDING GUNS

6252053	MT 28	3.0 m
6252054	MT 28	4.5 m
6253023	MT 32	3.0 m
6253024	MT 32	4.5 m
6253038	MT 38	3.0 m
6253039	MT 38	4.5 m
6254048	MT 48	3.0 m
6254049	MT 48	4.5 m
6254036	MT 41 W	3.0 m
6254037	MT 41 W	4.5 m
6255046	MT 51 W	3.0 m
6255047	MT 51 W	4.5 m

10. TIG-TORCHES

6271672	KT 150	4.0 m
6271673	KT 150	8.0 m
6271676	KT 200	4.0 m
6271677	KT 200	8.0 m
6271682	KT 300 W	4.0 m
6271683	KT 300 W	8.0 m
6271514	LTP 500 W	4.0 m
6271518	LTP 500 W	8.0 m
6271831	Extension cable 8 m; LTP 160/KT	
6271833	Extension cable 8 m; LTP 300/KTW	
6271837	Extension cable 10 m; LTP 500 W	

11. MIG-INTERCONNECTION CABLES

11.1 PS 2800

6260132	Multimig	35-5-K
6260133	Multimig	35-10-K

11.2 PS 2800 AND PS 3500

6260101	Multimig	50-I-K (T 10/T 12) 0.6 m
6260102	Multimig	50-II-K (T 20/T 21) 1.75 m
6260103	Multimig	50-III-W (T 30/T 31) 1.75 m
6260104	Multimig	50-5-K
6260105	Multimig	50-5-W
6260106	Multimig	50-10-K
6260107	Multimig	50-10-W
6260108	Multimig	50-15-K
6260109	Multimig	50-15-W

11.3 PS 5000

6260181	Multimig	70-I-K (T 10) 0.6 m
6260182	Multimig	70-II-K (T 20/T 21) 1.75 m
6260183	Multimig	70-III-W (T 30) 1.85 m
6260184	Multimig	70-5-K
6260185	Multimig	70-5-W
6260186	Multimig	70-10-K
6260187	Multimig	70-10-W
6260188	Multimig	70-15-K

6260189	Multimig	70-15-W
6260193	Multimigmig	70-III-W (PSS)

11.4 INTERCONNECTION CABLES FU/FU 02

6260112	FU 20...FU 02 70-10-K
6260113	FU 20...FU 02 70-10-W
6260114	FU 20...FU 02 70-15-K
6260115	FU 20...FU 02 70-15-W

2. TIG-INTERCONNECTION CABLES

2.1 PS 2800

6271824	Multitig	25-5-K
6271825	Multitig	25-5-W
6271826	Multitig	25-10-K
6271827	Multitig	25-10-W
6271828	Multitig	25-15-K
6271829	Multitig	25-15-W

12.2. PS 2800, PS 3500, PS 5000

6271851	Multitig	50-I-K (T 10/T 12) 0.8 m
6271852	Multitig	50-II-K (T 20/T 21) 1.75 m
6271853	Multitig	50-III-W (T 30/T 31) 1.85 m
6271854	Multitig	50-5-K
6271855	Multitig	50-5-W
6271856	Multitig	50-10-K
6271857	Multitig	50-10-W
6271858	Multitig	50-15-K
6271859	Multitig	50-15-W
6271873	Multitig	70-III-W 1.85 m
6271883	Multitigmig	70-III-W (PSS)

13. MMA-INTERCONNECTION CABLES

6184301	35 mm^2 5 m
6184302	35 mm^2 10 m
6184501	50 mm^2 5 m
6185402	50 mm^2 10 m
6184701	70 mm^2 5 m
6184702	70 mm^2 10 m

14. EARTH CABLES

6184311	35 mm^2 5 m
6184312	35 mm^2 10 m
6184511	50 mm^2 5 m
6184512	50 mm^2 10 m
6184711	70 mm^2 5 m

15. CONNECTION CABLES

9722138	Connection cable PS 2800, PS 3500 4 x 2.5 mm^2
9722142	Connection cable PS 5000 4 x 6 mm^2

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