

This model has the **capability to weld studs with a diameter of 1/2" or 13 mm at 50 mtr distance from the machine.**

Specifications:

Depth	0.48 m
Height	0.74 m
Width	0.50 m
Machine weight	115 kg
Operating temperature	-15/40 deg C
Storage temperature	-20/60 deg C
Welding method	Silicon SWS
Welding time range	25-1000 msec
Pilot current output	
Main current range	15 Amps
Open circuit voltage	1 00-1000 Amps
Number of welding guns	58 Volts
Micro Gun Weight	
Gun Weight type PN 70	1
Stud diameter range	1.45 kg
Stud velocity range	2.44 kg
Stud thrust at 50 mm/sec	3-16 mm
Stud thrust at 120 mm/sec	25 -125 mm/sec
Power consumption	85 Nf
Peak Volt-Amp consumption	55 Nf
Mains current fuse rating (380 V)	90 watts
Welding rate at max. capacity	58 kVA
	50 Amps
	slow fuse
	2 per min.



A **single gun machine with stud welding capacity up to 19 mm (3/4")**. This model is very versatile, compact and ideal for users in small fabrication shops. A cost effective machine offering value for money and low maintenance costs.

Specifications:

Depth	0.87 m
Height	0.8 m
Width	0.59 m
Machine weight	153 kg

Operating temperature	-15/40 deg C
Storage temperature	-20/60 deg C

Welding method	Silicon SWS
Welding time range	25-1500 msec

Pilot current output	
Main current range	15 Amps
Open circuit voltage	200-1000

Number of welding guns	Amps
Micro Gun Weight	58 Volts

Gun Weight type PN 70	1
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Stud diameter range	1.45 kg
Stud velocity range	2.44 kg

Stud thrust at 50 mm/ sec	3-18 mm
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Stud thrust at 120 mm/ sec	25 -120 mm/ sec
	85 Nf

Power consumption	55 Nf
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Peak Volt-Amp consumption	90 watts
	58 kVA

Mains current fuse rating (380 V)	50 Amps
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Welding rate at max. capacity	slow fuse 6 per min.
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FULL STAINLESS STEEL machine. **A single gun machine with stud welding capacity up to 24 mm (0.92")**. This model is a true workhorse suitable for site work and applications whereby long cables are required to reach the welding place.

Specifications:

Depth	
Height	0.87 m
Width	0.8 m
Machine weight	0.59 m
	274 kg
Operating temperature	
Storage temperature	-15/45 deg C
	-20/60 deg C
Welding method	
Welding time range	Silicon SWS
	25-1500 msec
Pilot current output	
Main current range	15 Amps
Open circuit voltage	200-2000
	Amps
Number of welding guns	58 Volts
Micro Gun Weight	
Gun Weight type PN 70	1
Gun Weight type PN 120	1.45 kg
	2.44 kg
Stud diameter range	2.65 kg
Stud velocity range	
Stud thrust at 50	3-24 mm
mm/sec	25-120
Stud thrust at 120	mm/sec
mm/sec	85 Nf
	55 Nf
Power consumption	
Peak Volt-Amp	120 watts
consumption	105 kVA
Mains current fuse rating	80 Amps slow
(380 V)	fuse
Welding rate at max.	4 per min.
capacity	



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FULL STAINLESS STEEL machine. A double gun machine with stud welding capacity up to 24 mm (0.94"). This model is a true workhorse suitable for continuous line production or attachment to robotic facilities.

Specifications:

Depth	
Height	0.87 m
Width	0.8 m
Machine weight	0.59 m
	234 kg
Operating temperature	
Storage temperature	-15/45 deg C
	-20/60 deg C
Welding method	Silicon SWS
Welding time range	25-1500 msec
Pilot current output	
Main current range	15 Amps
Open circuit voltage	200-1600
	Amps
Number of welding guns	58 Volts
Micro Gun Weight	
Gun Weight type PN 70	2
	1.45 kg
Stud diameter range	2.44 kg
Stud velocity range	
Stud thrust at 50	3-20 mm
mm/sec	25-120
Stud thrust at 120	mm/sec
mm/sec	85 Nf
	55 Nf
Power consumption	
Peak Volt-Amp	120 watts
consumption	90 kVA
Mains current fuse rating	63 Amps slow
(380 V)	fuse
Welding rate at max.	6 per min.
capacity	



FULL STAINLESS STEEL machine. A double gun machine with stud welding capacity up to 36 mm (1.42"). This model is a true workhorse suitable for site work and applications whereby long cables are required to reach the welding place.

Specifications:

Depth	
Height	1.00 m
Width	0.80 m
Machine weight	0.64 m
	376 kg

Operating temperature	
Storage temperature	-15/45 deg C
	-20/60 deg C

Welding method	
Welding time range	Silicon SWS
	25-2000 msec

Pilot current output	
Main current range	15 Amps
Open circuit voltage	300-3000
	Amps

Number of welding guns	58 Volts
Micro Gun Weight	
Gun Weight type PN 70	1
Gun Weight type PN 120	1.45 kg
	2.44 kg
	2.65 kg

Stud diameter range	
Stud velocity range	
Stud thrust at 50	3-36 mm
mm/sec	25-120
Stud thrust at 120	mm/sec
mm/sec	85 Nf
	55 Nf

Power consumption	
Peak Volt-Amp	120 watts
consumption	145 kVA
Mains current fuse rating	125 Amps
(380 V)	slow fuse
Welding rate at max.	5 per min.
capacity	



Welding Guns

We have two types of ergonomically designed guns. **Both of them are capable of handling studs from 3mm (1/8") up to 50 mm (2")** with a thrust of approx. 6 Kgs. (14 Lbs). The guns have two LED lights at the back to indicate a good or a bad weld.



This image shows the back of the gun. The green and red LED lights alluminating in different combinations inform the operator whether the weld is acceptable, the power supply is cooling down, the other operator is welding, the mains power supply has dropped or if one of the printed circuit boards has failed.

At the gun the desired welding program can be selected.

One Allen key allows the operator to change and alter all attachments of the gun. Chucks are mounted on the rounded front end to permit free orientation of shaped parts.



PUM25H
Weight 1.25KG without cable
Max Stud size $\varnothing 12$



PUM25
Weight 1.15KG without cable
Max Stud size $\varnothing 12$

PN70
Weight 2.45KG without cable
Max Stud size $\varnothing 20$

PN120
Weight 2.65KG without cable
Max Stud size $\varnothing 30$

