

SPOT WELDING EQUIPMENT & ENGINEERING SERVICES

BEST QUALITY - SERVICE - PRICING

37 YEARS WELDING & TECHNICAL EXPERIENCE THE FULL LINE WELDING EQUIPMENT COMPANY

SPOT WELDERS
SEAM WELDERS
PRESS WELDERS
PROJECTION WELDERS
ROCKER ARM WELDERS
PROJECTION NUT CHECKER
WELD CONTROLLERS (ATek. B.

PORTABLE SPOT WELDERS
WIRE BUTT WELDERS
INVERTER WELDERS
PARTS & SERVICE
BUTT WELDERS
CIRCUIT BOARD REPAIR
h. Entrop. Medar. Unitrol)

WELD CONTROLLERS (ATek, Bosch, Entron, Medar, Unitrol) CONSULTING SERVICE

CONSUMABLES (Electrodes, Holders, Cables, Cylinders, Shunts) **REPAIR** and **UPGRADE** of **RESISTANCE** WELDERS:

(Progressive, Standard, Stryco, Thomson, Sciaky, Taylor-Winfield)



PHONE: (610) 278-9325 FAX:(610) 278-9325 TOLL FREE: 1-888-383-WELD (9353) WEB SITE: www.weldingnet.com

WELDING TECHNOLOGIES ADDRESS: 1365 Horseshoe Dr., Blue Bell, PA 19422, USA

CONTENT CODE: 1. CONSUMABLES: * 1.1 Mini-Flash Shields for Spot Welding 100.3._ 110. ._ * 1.2 Spot Welding Electrodes and Cables * 1.3 Dr.Joe' Tip Eaze 100.1.16 * 1.4 Dr.Joe's Silver Greaz 100.2.16 2. RESISTANCE WELDERS * 2.1 Moveable Spot Welder (EUROPE-18) 80.1.18 2.2 Moveable Spot Welder (Car Point Spot RF) 80.1.19 * 2.3 Rocker type Spot Welder WT-30 (economy) 10.3.30 10. ._ * 2.4 Rocker type Spot Welders 20.1._ * 2.5 Linear Spot Welders 30.1._ * 2.6 Projection Welder 50.1. 2.7 Bench Welder 3. PORTABLE SPOT WELDERS * 3.1 C-Type Weld Gun 70. ._ 60. ._ * 3.2 Scissors Type Spot Weld Gun * 3.3 Suspended Double Spot Welding Gun 60.4. 80.2.SP * 3.4 Mobil Repair Cart with Transguns. 4. SEAM WELDER * 4.1 Seam Welder WT-SW-100 40.1.100 4.2 Seam Welding Heads 40.5. 5. SPECIAL WELDING MACHINES 200.3. * 5.1 Multi-Spot Automatic Welders 60.6. 5.2 Single Sided **FAST SPOTTER** 5.3 Single Sided POKE WELDER 60.5. 90.7.1 * 5.4 Butt Welder Tool 200.1._ 5.5 Robotic Turntable * 5.6 Machine Vision Inspection System 200.2. 6. TESTING FOR SPOT WELDERS * 6.1 Dynamic Tip Force Monitor 90.4.00 6.2 Digital Tip Force Gauge Calibration Tester 90.4.D3

Call WELDING TECHNOLOGIES for price and availability

90. .

90.6.00

90.5.

Phone: 610-278-9325 Fax: 610-278-9325 Toll Free Number: 1-888-383-WELD (9353)

* 7.1 Detect-A-Finger Drop Probe Device

* 6.3 Digital Current Meter

7.2 Break-A-Beam Actuators

7. SAFETY ITEMS

MINI-FLASH SHIELDS



MINI-FLASH SHIELDS FOR RESISTANCE SPOT WELDING

SPECIAL DESIGN BY WELDING TECHNOLOGIES

This design combines versatility of use with the latest OSHA requirements related not only to protection of the operator in the work cell, but also personnel in the adjacent areas.

<u>Inside</u> configuration of the MINI-FLASH SHIELD reduces kinetic energy of the sparks when expulsion occur.

<u>Outside</u> geometry of the MINI-FLASH SHIELD minimizes "blind" area and allows the operator to precisely position a manual weld gun in desired location.

MINI-FLASH SHIELDS are great for welding in the "tight" areas with automatic weld guns or robots.

PART NUMBERS: WT-MFS-.50(brown) for 1/2"dia Electrodes

WT-MFS-.62(orange) for 5/8"dia Electrodes WT-MFS-.75(green) for 3/4"dia Electrodes

MFS-.62BLK for 5/8"dia Electrodes MFS-.87BLK for 7/8"dia Electrodes

CODE: 100.3._

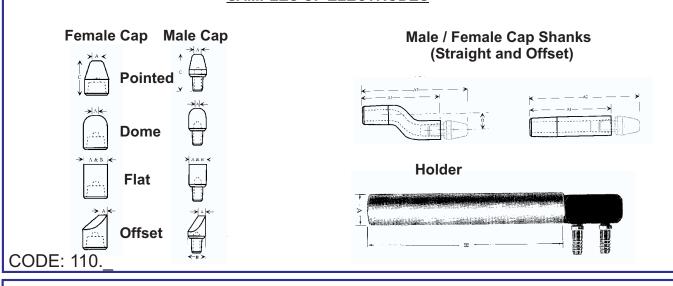
Call WELDING TECHNOLOGIES for price and availability

WELDING ELECTRODES



Welding Electrodes are available for: Spot Welding (Shanks, Caps, Electrodes) Projection Welding (Adapters, Special Alloy) Seam Welding (Seam Welding Wheels) Stud Welding (Water Cooled Holders) Butt Welding

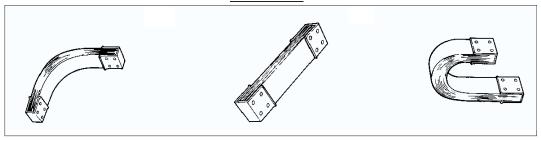
SAMPLES OF ELECTRODES



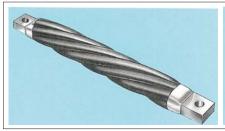
Call WELDING TECHNOLOGIES for price and availability

CABLES, ELECTRODES, HOLDERS

SHUNTS



JUMPERS and KICKLESS CABLES

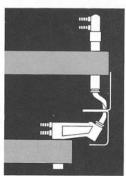


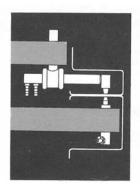


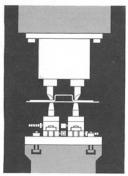


COMBINATION OF STANDARD HOLDERS

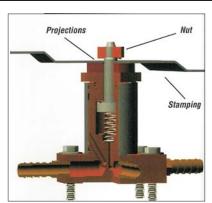








STUD and WELD NUT ELECTRODES



More various types of cables, shunts, electrodes, holders are available for specific applications.

Engineering assistance is provided by Welding Technologies to optimize the requirements and increase productivity.

CODE: 110.

Call WELDING TECHNOLOGIES for price and availability

Dr.JOE's Tip Eaze

This compound is popular with manufacturing Companies, where resistance welding of galvanized steel components is used.

Dr.JOE's NO STICK Tip Eaze prevents electrodes from sticking to the workpiece (on galvanized steel)

GENERAL INFORMATION

Dr.Joe's TIP EAZE creates a coating on the surface of the electrodes for resistance welding, which prevents the tips from sticking to galvanized steel.

DIRECTIONS

Apply Dr.Joe's TIP EAZE to the tip end of the new caps after they been replaced on the weld gun. Keep out of reach of children. For industrial use only.

Dr. JOE's TIP EAZE

WELDING TECHNOLOGIES Phone/FAX: (610) 278-9325 Web Site: WELDINGNET.com



Now cans are available with magnetic base. Ordering information: Part #WT-TE-16.

Dr.JOE's Silver Greaze

GENERAL INFORMATION

Dr.Joe's Siver Greaz designed for use in electrical contacts of the welding machines, which work under extreme conditions (high temperature and high electrical currents). Recommended for Seam welding heads, Switches, etc.

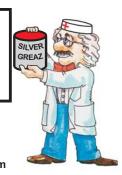
WARNING

Use protective wear to avoid eye and skin contact and keep away from mouth. Wash thoroughly after using. Keep container closed and away from children and animals. For industrial use only. Dispose of in accordance with governmental regulations.

Weight: 16 oz.

Dr. JOE's
HIGH TEMPERATURE
SILVER GREAZ

WELDING TECHNOLOGIES Phone/FAX: (610) 278-9325 Part Number: WT-SG-16 Web Site: WELDINGNET.com



This lubricant is used in the seam welding heads and other severe applications, where high conductivity of the lubricant is required along with the high temperature of the compound to protect sliding contacts from excessive wear.

Dr.JOE's Silver Greaz allows the equipment components to run "cooler" due to less friction and high conductivity of the Greaz, based on high content of pure silver in the Temperature range: 0° F (-18° C) to 550° F (288° C) Ordering information: Part #WT-SG-16.

n sa MSDS information is available upon request.

Order shall be placed with: Welding Technologies,
1365 Horseshoe Dr., Blue Bell, PA 19422

Phone/Fax (610) 278-9325

Toll Free # 1-888-383-9353

CODE: 100.1_; 100.2._

MOVEABLE SPOT WELDER TYPE EUROPE-18

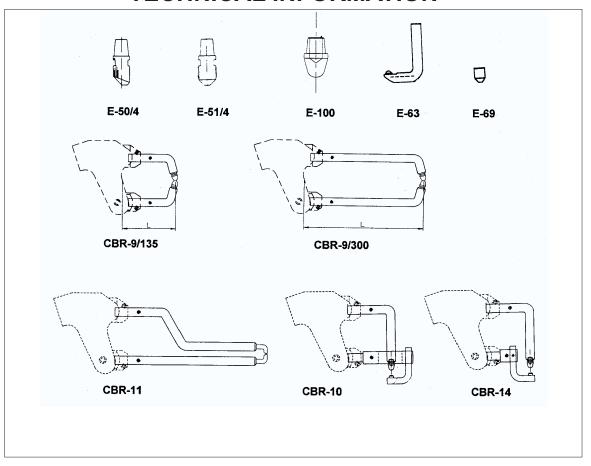


CODE: 80.1.18

INDUSTRIAL QUALITY
TECHNICAL SUPPORT

PERFORMANCE DEPENDABILITY

MOVEABLE SPOT WELDER TYPE EUROPE-18 TECHNICAL INFORMATION





PNEUMATIC GUN PARAMETERS

WELDING CAPACITY (STEEL)	3+3
ELECTRODE FORCE	350LBS
THROAT GAP	4.0"
ARMS LENGTH	4.5" - 20"
KICKLESS CABLE LENGTH	6.5 FT
WEIGHT WITHOUT CABLE	5.5LBS

CODE: 80.1.18

INDUSTRIAL QUALITY
TECHNICAL SUPPORT

PERFORMANCE DEPENDABILITY

MOVEABLE SPOT WELDER TYPE CAR POINT SPOT RF



NOMINAL POWER 50% DUTY CYCLE 11 KVA
MAX. SECONDARY WELDING CURRENT 5.2KA
DUTY CYCLE AT MAX. WELDING POWER 3.8%
SECONDARY VOLTAGE 7.7V
PRIMARY POWER 240VAC OR 480VAC (Shall specify at time of order)
PRIMARY POWER (DELAYED FUSES)20A(480VAC)
DIMENSIONS: LxWxH 21"x23"x39"
WEIGHT 190LBS
WATER COOLER INCLUDED, 2GAL/MIN FLOW RATE.

PNEUMATIC GUN PARAMETERS

WELDING CAPACITY (STEEL)	3+3
ELECTRODE FORCE	
THROAT GAP	4.0"
ARMS LENGTH	4.5" - 20"
KICKLESS CABLE LENGTH	6.0 FT
WEIGHT WITHOUT CABLE	5.5LBS

INDUSTRIAL QUALITY PERFORMANCE TECHNICAL SUPPORT

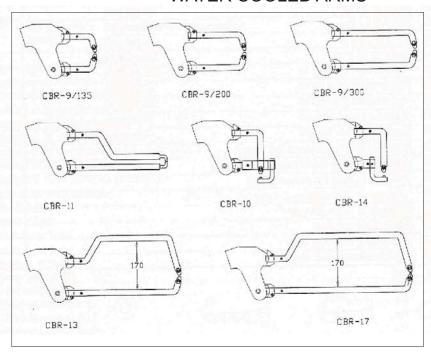
DEPENDABILITY

CODE: 80.1.19

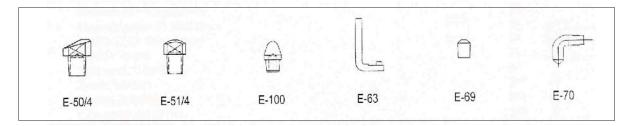
MOVEABLE SPOT WELDER TYPE CAR POINT SPOT RF TECHNICAL INFORMATION

WATER COOLED ARMS

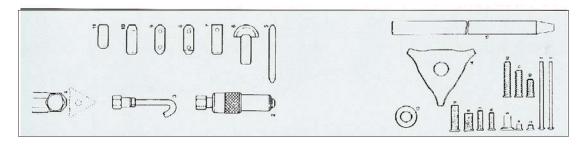




ELECTRODES FOR WATER COOLED ARMS



ACCESSORIES AND CONSUMABLES FOR STUDDER GUN



INDUSTRIAL QUALITY TECHNICAL SUPPORT PERFORMANCE DEPENDABILITY

SPOT WELDERS

Moveable Spot Welder



CODE: 80.1.18

Linear Spot Welder

CODE: 20.1.

Projection Welder



Rocker Type Spot Welder



CODE: 10._._

INDUSTRIAL QUALITY

PERFORMANCE

TECHNICAL SUPPORT

WELDING TECHNOLOGIES www.weldingnet.com 1365 Horseshoe Dr., Blue Bell, PA 19422 Ph/Fax 610-278-9325 Toll Free number 1-888-383-WELD (9353)

SPOT WELDERS TECHNICAL DATA

ROCKER WELDERS

PBP & BSP	PBP & BSP MODELS						116 to 156		
-	Throat Opening Adjustable to (Inches): Throat Depth Max. (Inches):						8 28		8 23
		116PX	PBP 126PX	136PX	156PX	116PX	BSP 120PX	126PX	WT-30
Single Phase 60 HZ	Volts	240/ 480	240/ 480	240/ 480	240/ 480	240/ 480	240/ 480	240/ 480	240/ 480
Max Power	KVA	15	25	35	50	15	20	25	35
Secondary	KAmps	8.8	11.0	12.3	14.0	8.8	9.7	11.0	12.3
Duty Cycle	%	16	15	14	14	16	15	15	50
Force	lbs.	500	500	500	500	400	400	400	500
Air Pressure	PSI	75	75	75	75	75	75	75	75
Water Cooling	Qts/Mil	n 4	4	4	4	4	4	4	4
Delayed Fuse	Α	25	45	60	80	25	30	45	80
Dimensions	Inches								
	L	40	40	40	40	28	28	28	51
	W	12	12	12	12	9	9	9	26
	Η	50	50	50	50	51	51	51	68
Weight	lbs.	381	387	396	405	253	264	275	530

LINEAR and PRESS/PROJECTION WELDERS

PF & PFP	MODELS	KVA			136 to	231	251	351
Throat Open	ing Adjustal	ole to (Inches	s):		11	11	11
Throat Deptl	h Max. (Inch	es):				18	14	14
		PF/E				PFP/E	<u>:</u>	
		136	151	161	181	201	231	251
Single Phase	Volts	240/	240/	240/	240/	240/	240/	240/
60 HZ		480	480	480	480	480	480	480
Max Power	KVA	35	50	60	80	100	130	150
Secondary	KAmps	17.0	20.0	23.4	26.0	30.0	33.6	34.5
Weld Current	KAmps	14.0	16.0	18.4	20.8	24.0	26.8	28.0
Force	lbs.	500	500	500	750	750	750	750
Air Pressure	PSI	75	75	75	75	75	75	75
Water Cooling	Qts/Min	4	4	4	4	4	4	4
Delayed Fuse	Α	63	90	110	140	185	230	250
Dimensions	Inches							
	L	42	42	42	42	42	42	42
	W	12	12	12	12	12	12	12
	Н	57	57	57	57	57	57	57
Weight	lbs.	260	275	287	598	622	643	680

CODE: 10._; 20.1._; 30.1._

WELDING CONTROLLER: Model PX1500 Microprocessor based

Digital display SCR Module

Thermal protection

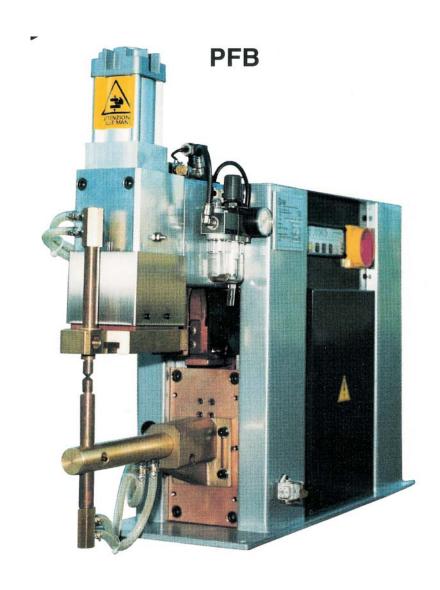
5 Time:Hold/Slope/Pause/Hold/Weld/Repeat

Weld/No Weld Switch

STANDARD FEATURES: One year limited P/L warranty Adjustable Arms

Easy interchange Electrodes Adjustable Electrode Holders US & RWMA Standards

BENCH SPOT WELDER TYPE PFB (15 to 35 KVA)



CODE: 50.1.15 to 50.1.35

INDUSTRIAL QUALITY
TECHNICAL SUPPORT

PERFORMANCE DEPENDABILITY

MANUAL SPOT WELDING GUNS

Manual "C"-Type Spot Welding Gun

Manual SCISSORS Spot Welding Gun

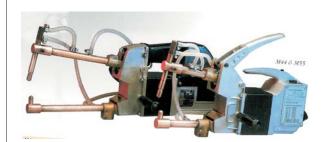




CODE: 70.1._; 70.2_

CODE: 60.1._; 60.2_

Hand Held Spot Guns



MOBILE REPAIR CART



CODE: 60.3._

CODE: 80.2.SP

INDUSTRIAL QUALITY

PERFORMANCE

TECHNICAL SUPPORT

WELDING TECHNOLOGIES www.weldingnet.com 1365 Horseshoe Dr., Blue Bell, PA 19422 Ph/Fax 610-278-9325 Toll Free number 1-888-383-WELD (9353)

MANUAL SPOT WELDING GUNS TECHNICAL DATA

SCISSORS TYPE

PN Models	PN8 through PN36	S-Type
Throat Opening Adjustable to (Inches	s): 5.3	6 to 14
Arm Length (Inches):	8 to32	8 to 32

		PN8	PN12	PN18	PN25	PN36	PN42	S766P	S1036P
Single Phase	Volts	240/	240/	240/	240/	240/	240/	240/	240/
60 HZ		480	480	480	480	480	480	480	480
Max Power	KVA	8	12	18	25	36	42	76	103
Secondary	KAmps	8.2	8.8	11.2	13.2	14.4	17.6	24.0	27.2
Duty Cycle	%	50	50	50	50	50	50	50	50
Force	lbs.	500	500	500	500	900	900	1200	1200
Air Pressure	PSI	75	75	75	75	75	75	75	75
Water Cooling	Qts/Min	4	4	4	4	4	4	4	4
Delayed Fuse	Α	16	25	32	45	63	63	125	157
Dimensions	Inches								
	L	21.5	21.5	22.0	23.5	25.5	26.5	30.0	32.6
	W	9.5	9.5	9.5	9.5	10.5	10.5	12.0	16.0
	Η	14.5	14.5	14.5	14.5	14.5	14.5	16.0	16.5
Weight	lbs.	105	110	117	121	165	180	185	213

TOGGLE ACTION HAND GUN WT-5048B, 2.5KVA, 240VAC available - call WELDING TECHNOLOGIES for INFORMATION.

C-TYPE WELD GUNS

PN MODELS PN	8"C" through PN25"C"	S-Type
Throat Opening (Inches):	4.5	6 to 14
Throat Depth Max. (Inches):	6.5 to 17.5	8 to 25

		PN8"C"	PN12"C"	PN18"C"	PN25"C"	S328P	S488P	S548P
Single Phase	Volts	240/	240/	240/	240/	240/	240/	240/
60 HZ		480	480	480	480	480	480	480
Max Power	KVA	8	12	18	25	32	48	54
Sec. Short	KAmps	6.5	11.6	14	16.5	17.0	18.5	20.0
Weld Current	KAmps	5.2	9.2	11.2	13.6	15.4	17.0	19.0
Force	lbs.	600	600	600	600	600	600	600
Air Pressure	PSI	75	75	75	75	75	75	75
Water Cooling	Qts/Min	4	4	4	4	4	4	4
Delayed Fuse	Α	16	25	32	45	110	140	185
Dimensions	Inches							
	L	21	22.5	22.5	23.0	42	42	42
	W	12	12	12	12	12	12	12
	Н	14.0	15.0	15.0	16.0	57	57	57
Weight	lbs.	106	110	116	120	136	154	158

CODE: 60._; 70._

WELDING CONTROLLER: Model PX1500

Microprocessor based Digital display SCR Module Thermal protection

5 Time:Hold/Slope/Pause/Hold/Weld/Repeat

Weld/No Weld Switch

STANDARD FEATURES: One year limited P/L warranty Adjustable Arms Easy interchange Electrodes Adjustable Electrode Holders US & RWMA Standards

MOBILE REPAIR CART with TRANSGUNS MODEL # WT-MRC-01

To order: Call WELDING TECHNOLOGIES 1365 Horseshoe Dr., Blue Bell, PA 19422

Phone / Fax (610) 278-9325 Web Site: weldingnet.com



STANDARD FEATURES:

- "C" weld gun, 32kVA
- Ground Fault Monitor
- Ground Check Monitor
- Steel or Copper Braided Primary Cable
- Interface box for the Weld Controller of your choice

OPTIONS AVAILABLE

- "C" weld gun up to 100kVA
- "Scissors" weld gun up to 100kVA
- Medium Frequency up to 170kVA.
- Weld Controller of your choice (may install weld controller provided by a customer). Available: A-Tek, Entron, Square "D", Weltronic, British Federal, Medar.
- Isolation Contactor
- Cable Integrity Monitor when not welding
- Wide variety of standard arms and adaptors.
- Water Recirculating Unit
- Spring Balancer
- Retractable Hose reel.
- Quick disconnect for power, control and hoses with build-in air/water ball valves

Developed by WELDING TECHNOLOGIES to:

Use as a back up for robotic welding.

Use for repair in the Body Shops.

Use for try out when building prototype vehicles.



CODE: 80.2.SP

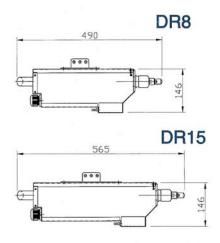
Distributed by: WELDING TECHNOLOGIES

Phone/Fax 610-278-9325 www.weldingnet.com



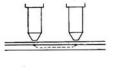
- Totally Water Cooled
- Two spots are joined and welded at the same time from one side of the plates
- Uses welding control C2 in separate enclosure
- DR8 8KVA and DR15-15KVA (see parameters below)

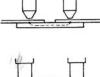
CARATTERISTICHE TECNICHE	TECHNICAL DATA	TECHNISCHE DATEN		DR 8	DR 15
POTENZA NOMINALE AL 50%	RATED POWER @ 50% DUTY CYCLE	NENNLEISTUNG BEI 50%	KVA	8	15
CORRENTE SEC. DI CORTO CIRCUITO	SHORT CIRCUIT SEC. CURRENT	SEKUNDÄRER KURZSCHLUßSTROM	KA	10.3	13
CORRENTE SEC. MAX DI SALDATURA	MAX. SEC. WELDING CURRENT	MAX SEKUNDARER SCHWEIßSTROM	KA	8.2	10.4
CAPACITA' DI SALDATURA SU ACCIAIO	WELDING CAPACITY ON STEEL	SCHWEISSLEISTUNG AUF WEICHEM STAHL	mm	1.2+Base	1.5+Base
CORRENTE SEC. PERMANENTE	PERMANENT SECONDARY CURRENT	SEK. DAUERSTROM	KA	1.7	3.7
TENSIONE SECONDARIA	SECONDARY VOLTAGE	SEKUNDARSPANNUNG	V	3.2	5.7
TENSIONE DI ALIMENTAZIONE	NOMINAL POWER SUPPLY	ANSCHLUSSPANNUNG	V	400	400
FREQUENZA NOMINALE	NOMINAL SUPPLY FREQUENCY	NENNFREQUENZ	Hz	50	50
FUSIBILI RITARDATI	DELAYED FUSES	SICHERUNG	Α	16	25
RAFFREDDAMENTO ACQUA	WATER CONSUMPTION	WASSERBEDARF	I/min	3	3
INTERASSE ELETTRODI	ELECTRODES DISTANCE	SPURWEITE ELEKTRODEN	mm	40 ÷ 150	40 ÷ 150
DIAMETRO ELETTRODI	ELECTRODES DIAMETER	DURCHMESSER ELEKTRODEN	mm	16	16
PESO	WEIGHT	GEWICHT	Ka	18	23



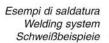
CODE: 60.4.

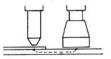












WELDING TECHNOLOGIES

WELDING TECHNOLOGIES HAS DEVELOPED A SEAM WELDER, TO SATISFY THE INDUSTRY DEMAND FOR RELIABLE AND COST EFFECTIVE MACHINES.



SEAM WELDER MODEL WT-SW-100 Inverter type control for precise control of acceleration and speed during welding. Wheels start rotating after they contacted the part and pressure is built up.



Constant current weld controller/monitor ATek IV has capability of 15 weld schedules.



WT specially designed Seam Welding Heads are featuring silver plated contacts with the spring load for fine tuning and compensation for wear.



Latest developments in control technology and material science are incorporated into a design. Silver Greaze[™] has been specially developed for this application.

Rated Power at 50% duty cycle	100kVA
Welding Current Range (no metal)	
Welding Speed	
Air Pressure	
Max Stroke	
Welding Wheels	
Water cooled, silver plated sliding contacts	
Max welding capacity on mild steel	2mm+2mm
Dimensions Throat Weight	Depth 21", Height 3"

Call Welding Technologies for the price and delivery.

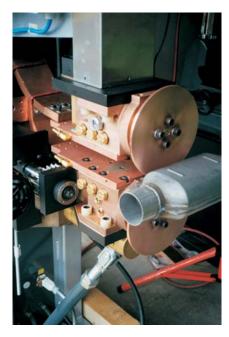
Manufactured by WELDING TECHNOLOGIES 1365 Horseshoe Dr., Blue Bell, PA 19422

Phone/FAX (610) 278-9325 Toll Free: 1-888-383-9353

www.weldingnet.com

CODE: 40.1.

SEAM WELDING HEADS



Seam welding machines are designed for continuous welding of components, where design requires "leak-proof" ability.

Samples: Paint cans, Mufflers, Catalitic converters, Gas tanks, Drums, etc.

AUTOCAD drawings are available for dimensions of the Seam welding heads (both: Idle and Drive) Idle head- Drawing number: WT-SWI-1 Drive head- Drawing number: WT-SWD-1

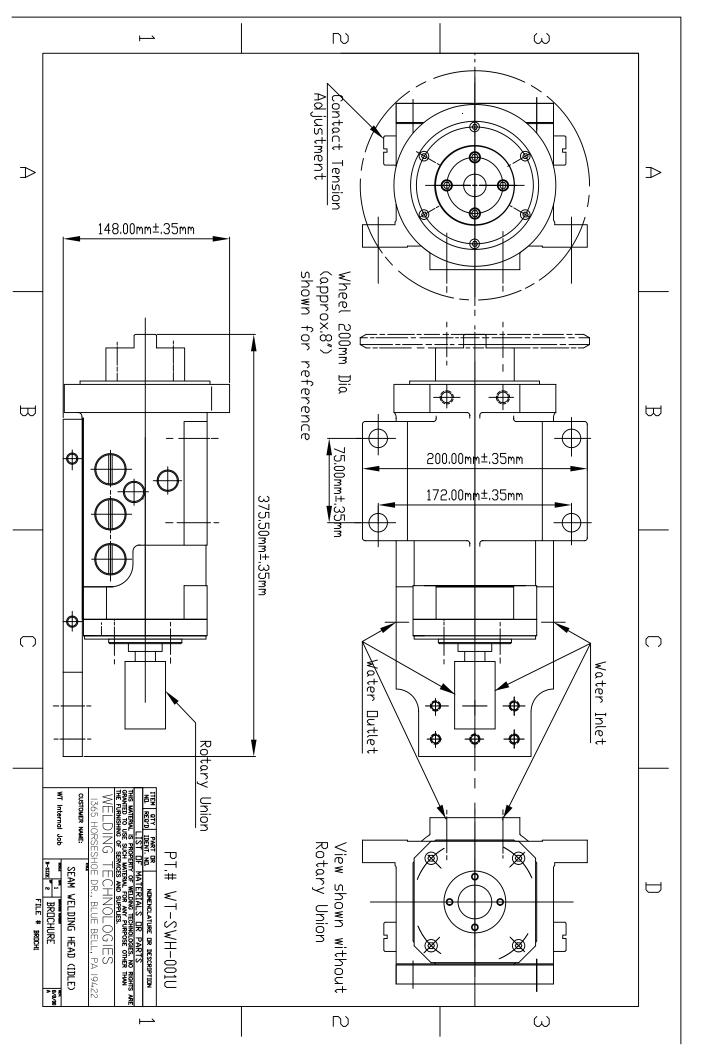
The Seam welding heads are filled with "Silver Greaze" special lubricant.

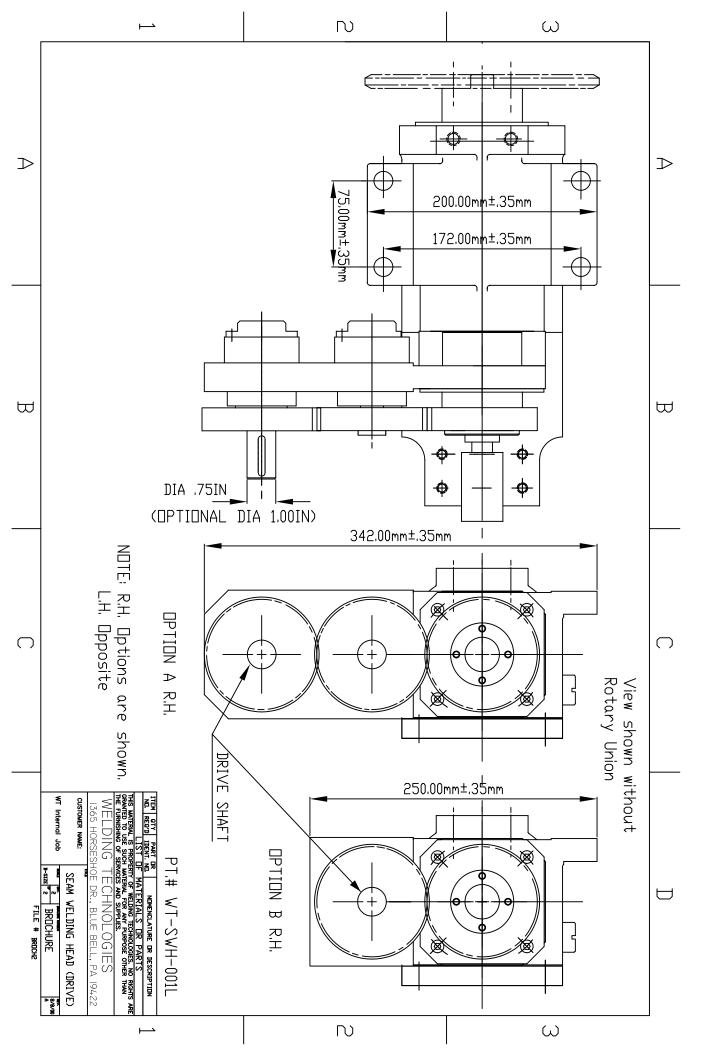
SEAM WELDING HEAD WITH DRIVE GEARS



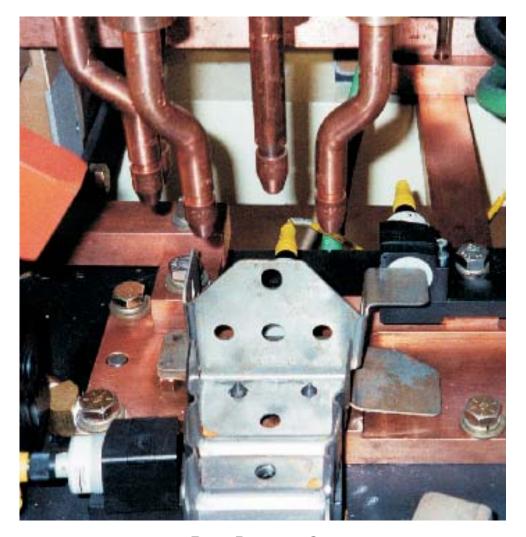
CODE: 40.5.U; 40.5.L

Call WELDING TECHNOLOGIES for price and availability





SPECIAL WELDING MACHINES



Rear Bumper Component

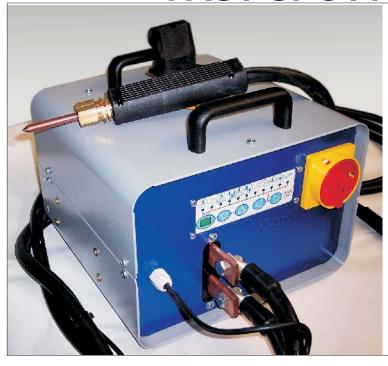
Automotive grade:
Productivity: 6 parts per min.
Insulated pins locate the parts in position.
Weld guns index in sequence to perform welds.

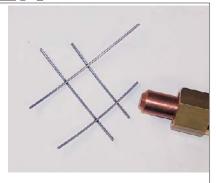


CODE: 200.3.

Call WELDING TECHNOLOGIES for price quote

FAST SPOTTER







FAST SPOTTER allows the use of a Single Sided Weld Gun for spot or seam welding thin gauge material (mesh, electronic components, nano-technology components) from one side only.

Various models are available:

WT-FS-3.5 for precision and general work up to .8mm

WT-FS-5.0 HeavyDuty for work up to 1.2mm to itself or to heavier section.

All machines use the Single Sided Weld Gun WT-SSGUN-5 model with a cable length 6ft long and a ground cable 5ft long.

TECHNICAL DATA

	WT-FS-2.5	WT-FS-5.0
Rated Output at 50%, kVA	3.5	5.0
Sec. Shortcircuit current, kA	3.0	4.0
Max Sec. Welding Current, kA	2.4	3.2
Permanent Secondary Current, kA	.6	.56
Secondary Voltage, V	4.1	6.3
Single Phase supply voltage, V	240or 480*	240 or 480*
Nominal Frequency, HZ	60	60
Dimensions WxDxH	12.5x13.5x11	12.5x13.5x11
Weight, lbs		
* 110VAC prin	narv Voltage is avail	able per request.

CODE: 60.6._

Call WELDING TECHNOLOGIES for price and availability

POKE WELDERS



<u>POKE WELDERS</u> allow the use of variety of Poke Weld Guns for welding thin gauge material from one side only.

Various models are available:

B3 - for precision work up to .5mm

B12L and B12H for general work up to .75mm with standard guns.

B12H with PG6 HeavyDuty Weld gun for work up to 1.25mm to itself or to heavier section.

B70H is used withthe PG6 gun and 300MCM cables for production welding up to 1.25mm mild, stainless or galvanized material.

	В3	B12L	B12H	B13H	B70H
Voltage	110/220/240	- 220/240	380/415	380/415	380/415
Max. capacity (PG2) (PG6)	2 × .5mm N/A	2 × .5mm N/A	2 × .75mm N/A	2 × .75mm 2 × 1.25mm	N/A 2 × 1.25mm
Short circuit current	2100A	2500A	3000A	5000A	8000A
Open circuit voltage	3.8V	5.8V	4.5V	8V	15V
Weight	19Kg	36Kg	36Kg	40Kg	80Kg
Length	320	540	540	540	N/A
Depth	240	320	320	320	N/A
Height	350	300	300	300	N/A

CODE: 60.5._

Call WELDING TECHNOLOGIES for price and availability

MANIFOLDS



How To Order:

NUMBER OF PORTS

4,8 or 16

OCT SIZE—# # - # # — SPECIFY COLOR
Black
Blue

C=1.50 Blue D=2.25 Brown Red Green

Non-Anodized(White)

NUMBER OF PORT ROWS 1= Single Inline 2=Double Offset

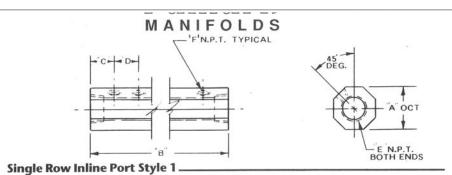
Sample of data sheet

Various sizes of manifolds are available. Please, call WT for a full catalog.

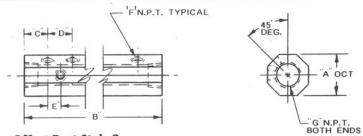
Also available fittings, holding clamps, etc.

Color codes usually used in the industry:
Green - Water feed
Black - Water return
Blue - Air In
White - Air out

CODE: 120.1.



_							
Manifold Style	Number of Ports	Port Size Dim. F (NPT)	Dim. C (Inches)	Dim. D (Inches)	Oct. Size Dim. A (Inches)	Inlet Size Dim. E (NPT)	Length Dim. B (Inches
C1	4	1/4 NPT	2.25	2.00	1.50	3/4	10.50
C1	8	1/4 NPT	2.25	2.00	1.50	3/4	18.50
D 1	4	1/4 NPT	2.50	2.00	2.25	1-1/4	11.00
D1	8	1/4 NPT	2.50	2.00	2.25	1-1/4	19.00



Double Row Offset Port Style 2 _

Manifold Style	Number of Ports	Port Size Dim. F (NPT)	Dim. C (Inches)	Dim. D (Inches)	Dim. E (Inches)	Oct. Size Dim. A (Inches)	Inlet Size Dim. G (NPT)	Length Dim. B (Inches
C 2	8	1/4 NPT	1.75	2.00	1.00	1.50	3/4	10.50
C 2	16	1/4 NPT	1.75	2.00	1.00	1.50	3/4	18.50
D 2	8	1/4 NPT	2.00	2.00	1.00	2.25	1-1/4	11.00
D2	16	1/4 NPT	2.00	2.00	1.00	2.25	1-1/4	19.00

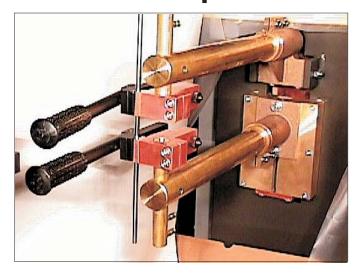
INDUSTRIAL QUALITY

PERFORMANCE

TECHNICAL SUPPORT

WELDING TECHNOLOGIES www.weldingnet.com 1365 Horseshoe Dr., Blue Bell, PA 19422 Ph/Fax 610-278-9325 Toll Free number 1-888-383-WELD (9353)

BUTT WELDER TOOL™ for Standard Spot Welders.



Convert an old Spot welding machine in your Shop into a brand new BUTT WELDER.

No special adjustments - just clamp and go.

Works on the Linear descend or Rocker Arm welders. Machines with the spring tension assist are preferred. Spot Welder does not require more than 30 KVA power.

BUTT WELDER TOOL™ can be used to weld round mild steel rod within diameter range from 1/8" dia to 3/8"dia...

Other shapes would require modifications. Please, contact WELDING TECHNOLOGIES for assistance.

Multiple applications: extend drill bits, splice wire or rods, etc.



Tools are available for machines with 1"dia and 11/4" dia holder in two modifications:

Part #WT-BWT-1 1"dia clamp for the 1"holder.

Part #WT-BWT-1.25 1.25"dia clamp for the 1.25"holder.

Part #WT-BWT-1S 1"dia shank for the 1"holder.

Part #WT-BWT-1.25S 1.25"dia shank for the 1.25"holder.

Manufactured by WELDING TECHNOLOGIES 1365 Horseshoe Dr, Blue Bell, PA 19422

Phone/FAX (610) 278-9325 Toll Free: 1-888-383-9353

CODE: 90.7.

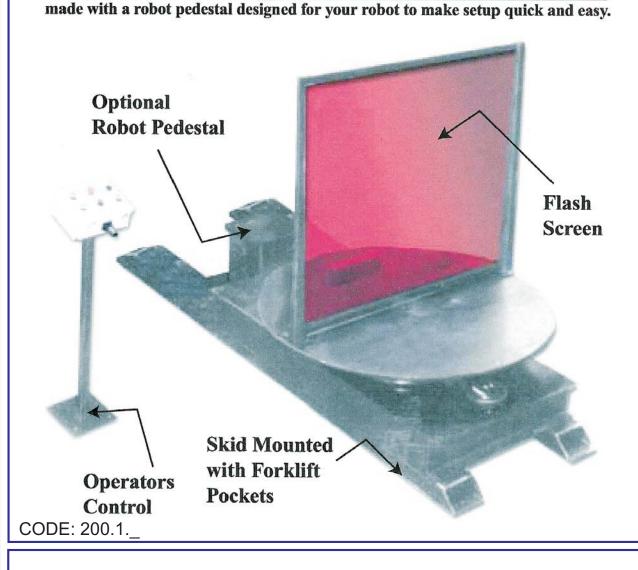
ROBOTIC TURNTABLE

The AutoRoboTM RoboTurnTM Series Turntables

The AutoRobo, "RoboTurn", Series Turntables are versitile workpostioners made for robotic welding. These durable, pnuematically actuated, 180 degree turntables have the capacity to hold large amounts of weight. With its cost-effective two station (1 load and 1 weld) arrangement load time is essentially free. And with the ability to choose optional

table top size, you can weld one large part or several smaller parts at one interval. The units include controls for a manual index push button station as well as inputs that can be operated by the robot I/O. It includes a brake for emergency stop response. With the high index speeds of the AutoRobo RoboTurn Series Turntables, there is no doubt that you will improve your exsisting process. As an added bonus you can order your turntable

r is

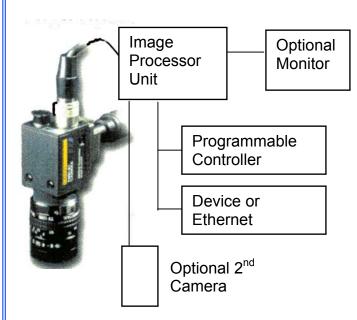


INDUSTRIAL QUALITY
TECHNICAL SUPPORT

PERFORMANCE DEPENDABILITY

Machine Vision Inspection System

HIGH SPEED MEASURMENT AND INSPECTION



Ideal for welding applications:

Presence of spot welds, projection nuts, studs, or other objects (brackets, etc.)

Can sort by size (diameter of indentation or welded area discoloration, length or diameter of the stud, projection nut – correct size and orientation).

Also:

Sort by size or label Optical Character Recognition (OCR) Identify random, odd shape position. Determine coordinates of objects, edges, holes.

Technical Characteristics:

- High speed: up to 5,000 inspections per minute.
- Find min or max values, distance between points with high accuracy.
- Search a pattern, calculate distance, angle, absolute value.
- Can be used as stand alone unit or incorporated into machinery.
- Can be supplied with a stand for inspection and ejection system for Good/Reject.

SAMPLE APPLICATIONS:



Distributed by: WELDING TECHNOLOGIES Ph/Fax 610-278-9325 www.weldingnet.com

CODE: 200.2.

Digital Tip Force Gauge Calibration Tester "FORCE-D3".



Must have for any ISO 9002 Manufacturing Facility

Digital display allows to see tip force, applied simultaneously to the gage being tested and a tip force sensor built into a tester.

Specifications for the Tip Force Sensor, built in:

Accuracy (RSS): .35% Linearity: +/- .25% FSO

Hysteresis: +/- .20% FSO

Repeatability: +/- .10% FSO

Zero Balance: 2%FSO

Operating Temperature Range: -54deg. Cto 121 deg. C (-65 deg.F to 160 deg F)

Compensated Temp. Range: +16 deg.C to 71 deg.C

(+60 deg.F to 160 deg.F)

Capacity: 0-2,000 lbs.



Programmable Display

Sensor and Display come calibrated, traceable to a National Standard (NIST).

CERTIFICATE OF CALIBRATION IS PROVIDED



Work Load Area

Calibration services are available for a combination of the Meter and a Load Cell.

Maximum safe load cell overload is 3,000lbs.

Manufactured by WELDING TECHNOLOGIES 1365 Horseshoe Dr, Blue Bell, PA 19422 Phone/FAX (610) 278-9325 Toll Free: 1-888-383-9353

CODE: 90.4.D3

DIGITAL FORCE INDICATOR (DFI)

PROGRAMMABLE RESOLUTION
PROGRAMMABLE DIGITAL FILTER
PROGRAMMABLE BAUD RATE
ZERO FUNCTION

PEAK FUNCTION (positive and negative)
RS232C SERIAL OUTPUT (on request)
ANALOG INDICATOR for REFERENCE

BATTERY LIFE: 1 YEAR(200Hrs)

DIGITAL FILTER ALLOWS TO AVERAGE UNSTEADY or PULSATING FORCE.

Shown: Actual Size

Total Length 7.5"

Sensor Thickness:11/16"



Range for Nominal Load 0 to 4,500lbs and 0 to 9,000lbs

Resolution 0.01

Accuracy Class: less than +/- .5% Linearity:less than +/-.20%FS Hysteresis: less than +/-.20%FS Repeatability: less than +/-.05%FS Readings per sec. (0 filter): 10 (100ms)

Display: Custom LCD (H=5/8")

MECHANICAL LIMIT: Service Load: 120%FS

Max Permissible Load: 150%FS

Breaking Load>300%FS

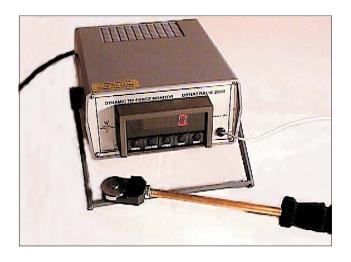
Displacement at Nominal Load: .007"

CODE: 90.3.W

INDUSTRIAL QUALITY TECHNICAL SUPPORT

PERFORMANCE DEPENDABILITY

Dynamic Tip Force Monitor "Dynatrack 2000".



Must have for any ISO 9002 Manufacturing Facility

Digital display allows to see tip force, applied simultaneously to the gage being tested and a tip force sensor built into a tester.

Specifications for the Tip Force Sensor, built in:

Accuracy (RSS): .35%

Linearity: +/- .25% FSO

Hysteresis: +/- .20% FSO

Repeatability: +/- .10% FSO

Zero Balance: 2%FSO

Operating Temperature Range: -54deg. Cto 121 deg. C

(-65 deg.F to 160 deg F)

Compensated Temp. Range: +16 deg.C to 71 deg.C

(+60 deg.F to 160 deg.F)

Capacity: 0-2,000 lbs.



Programmable Display

Sensor and Display come calibrated, traceable to a National Standard (NIST).

CERTIFICATE OF CALIBRATION IS PROVIDED



Sensor

Low profile of the sensor makes it easier to check tip force in the tight areas, weld guns with a small throat, seam welders, etc.

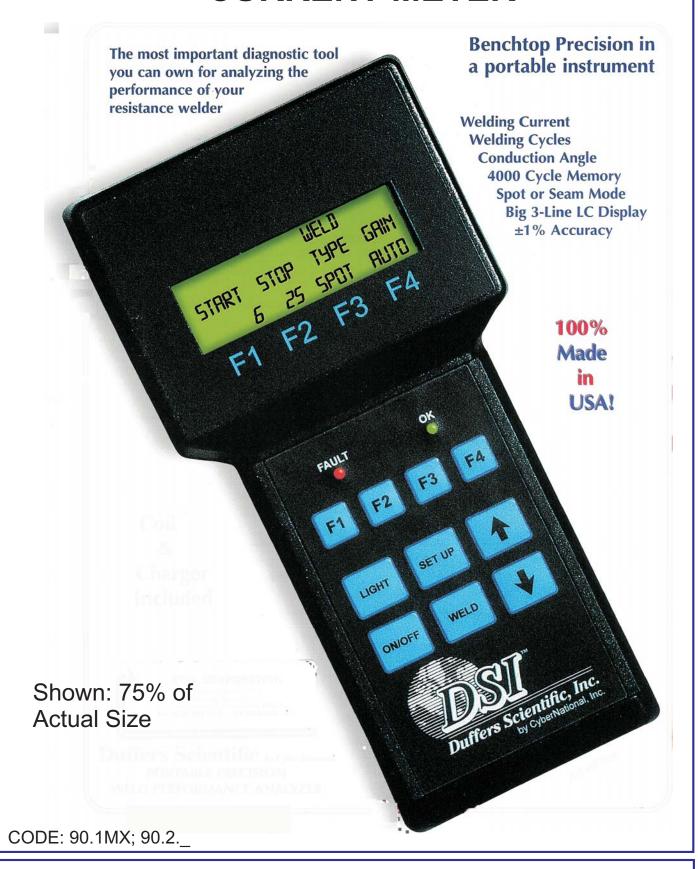
Calibration services are available for a combination of the Meter and a Load Cell.

Maximum safe load cell overload is 3,000lbs.

Manufactured by WELDING TECHNOLOGIES 1365 Horseshoe Dr, Blue Bell, PA 19422 Phone/FAX (610) 278-9325 Toll Free: 1-888-383-9353

CODE: 90.3.W: 90.4.00

CURRENT METER



INDUSTRIAL QUALITY TECHNICAL SUPPORT

PERFORMANCE DEPENDABILITY

DUFFERS CURRENT METER

Supports all AC seam welders and all AC/DC spot welders, 50-60 hz., single or 3-phase. Supports multiple-impulse and frequency converter welders.

SPECIFICATIONS

Range 0,4 KA* to 80,0 KA auto ranging. 110 heat

cycles/pulse *.Requires 10 X coil

Value RMS value of measurement period

Weld

Current Accuracy +/- 1% Full Scale
Spot Impulse Memory Up to 2000 impulses

Mode Start 0 to 127 cycles
Stop 0 to 127 cycles
Reset Delay 0 to 127 cycles

Range 0,4 KA* to 80,0 KA, 4000 cycles, auto ranging

Weld Value RMS current of each cycle

Current Accuracy +/-1% Full Scale
Seam Impulse Memory Up to 4000 cycles
Mode Start 0 to 127 cycles
Stop 0 to 127 cycles

Stop 0 to 127 cycles Reset Delay 0 to 127 cycles

Range 25°F to 180°F or 1.39 ms to 8,33ms,

Conduction Value Average conduction time for

measurement period, degrees or

milliseconds

Accuracy +/- 2%

Memory 4000 cycles or 2000 pulses
Display Three-line LCD with backlighting

Weight 1.18bs (536g)

Dimensions 8.25 x 4.25 x 1.5 in (21 x 10.8 x 3.8 cm)

Battery Life Rechargeable 20 hours continuous operation (w/o back light)

90 minute recharge.

Other Models of Current meters are available:

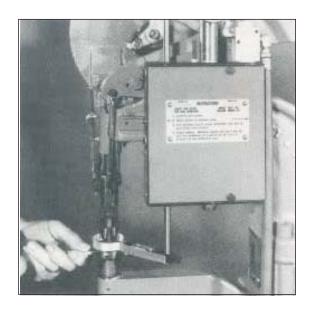
Stationary, Economy, Portable

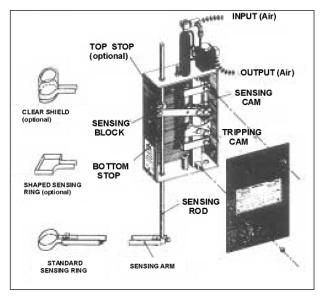
Call Toll Free Number: 1-888-383-WELD (9353) for Info.

PRODUCT SHEET: DETECT-A-FINGER DROP PROBE DEVICE

LONG STROKE DROP PROBE DEVICES FOR SAFEGUARDING RIVETERS, SPOT WELDERS, EYELETTER, STAKERS, AND SIMILAR MACHINES.

This drop probe device functions by allowing a mechanical sensing ring or probe to drop by gravity around the point-of-operationhazard prior to each intended machine stroke. If this sensing probe encounters the operator's fingers and fails to drop to a preset point, no tripping signal of the machine results. The unique design of this unit not only prevents signal, but also leaves the device mechanically locked out.





OPTIONS:

Units are available as air or electrically operated.

One model for use on the right hand side of the machine, the other on the left side of the machine.

The standard stroke unit can provide a probe stroke of up to 2-1/4".

The long stroke unit is designed and manufactured to provide up to a 4-1/2" stroke of the sensing ring assembly.

CODE: 90.6.00

Call WELDING TECHNOLOGIES for price and availability

PRODUCT SHEET: Break-A-Beam

ELIMINATES CARPAL TUNNEL SYNDROME

BREAK-A-BEAM ACTUATOR is built with a shatter- and chemical-resistenclosure, that is permanently sealed to an electronic circuit board.

EASE OF INSTALLATION: the Break-A-Beam Actuator is easily mounted on its own base or the customer panel.





FRONT

BACK

M-200 Break-A-Beam Actuator (115 VAC)
M-200-12 D Break-A-Beam Actuator (12 VDC)
M-200-24 D Break-A-Beam Actuator (24 VDC)
Supplied w/3PDT relay, gasket and screws.
Order base separately.





BASE ONLY

MOUNTED WITH M-200

M2-BASE Cast Aluminum Base for mounting M-200 Actuator. Supplied with one ½" threaded conduit opening.

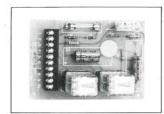




ADAPTOR PLATE

SHOWN WITH FS-BOX MOUNTED TO M-200

M2-510 Adaptor Plate for mounting M-200 Actuator to "FS" style box with gasket and screws.



M-555 Anti-Tie-Down, Anti-Repeat Control Board. 4" x 6" with (2) form "C" relay output.

M2-475 Break-A-Beam Operator Station with (2) M-200 Actuator mounted to ends of 6" x 6" x 18" NEMA enclosure. Prewired to fused terminal strip.

Options available: M-555 Anti-Tie-Down Board, Stop Button, etc.



M2-575 Break-A-Beam Operator Station with (2) M-200 Actuators mounted

M-200 Actuators mounted to the top of a 6" x 6" x 30" NEMA enclosure. Prewired to fused terminal strip. Options available:

M-555 Anti-Tie-Down Board, Stop Button, etc.





M2-PED Adjustable Pedestal for mounting a Break-A-Beam Operator Station (or customer supplied station).

CAUTION: • Read instructional manual before installing.

Customer is solely responsible for installation.

 Specifications subject to change without notice or incurring obligation.

CODE: 90.5.

Call WELDING TECHNOLOGIES for price and availability

WELDING TECHNOLOGIES

Product Lines



RESISTANCE SPOT



PORTABLE SPOT WELDING GUNS



GAUGE CALIBRATION TESTER "FORCE-D3"



RESISTANCE SPOT WELDING MACHINES



SPECIAL SPOT



WELDING ACCESSORIES





PROJECTION



PLASMA









SPECIAL SPOT WELDER (16 SPOTS)



DISTRIBUTED BY:

Call Welding Technologies for the price and delivery.