From the customer's point of view . .

MYSPOT WEIGHT

EasySetting.





koyo giken



EasySetting.



EasySetting system is available for all MYSPOT models

Select materials and thickness

- Alternate current transformer
- Rectified current transformer
- Inverter transformer

EasySetting . ADVANTAGES OF MYSPOT

No. 1	Set welding parameters with two touches (material and thickness	5)
No. 2	Pressure setting also automatic	
No. 3	Water and air flow check indicator equipped	
No. 4	Tip dress interval counter equipped	
No 5	It's as easy as "One Two Short!"	

EasySetting.

Preset welding parameters

Select material type and thickness:welding date is accessed automatically

User-adjustable presets

Adjust preset data and store as User data (20 programs)

Spot counter equipped

On-board counter automatically prompts tip dressing and tracks number of welds performed and number of workpieces completed

Self-diagnostic system

Equipped with a cooling cable diagnostic system

Error history

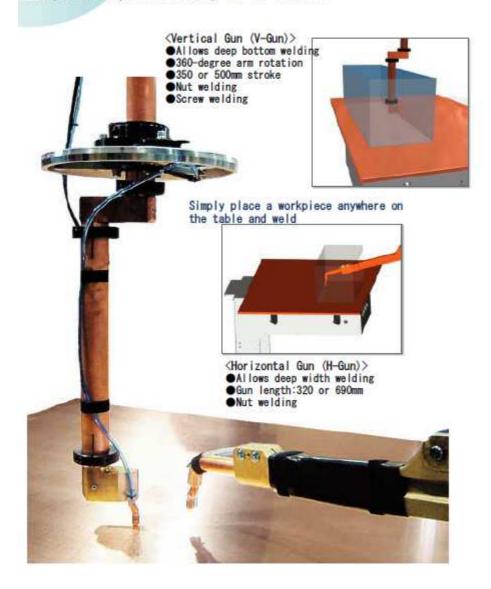
Error history is automatically recorded and can be traced for quality control.

Automatic data updates

Parameters for new materials are available from Koyo Giken through the Internetr and can be installed with EasyComm system.



A high-productivity TABLE SPOT WELDER comparable productivity to NC robots







No need to hold workpiece; place directly on the table

- Simply position gun over points to be welded
- Gun can be easily maneuvered over and around obstacles
- Articulated arms allow fast, easy handling



pright worker stance enables continuous operation without fatigue

- Stable productivity with high quality
- Can be readily operated by unskilled workers
- Reduce putty work and grinding



Elimination of workpiece

- Welding dents are minimized on the table side
- Spot welds are precise and repeatable



V-Gun available especially for boxy workpieces

- ●V-Gun can reach deep into workpieces ●Handle operation enables easy 360-degree gun rotation





03 Series

[SPECIFICATIONS]

RATED CAPACITY: 80KVA AC380~420V 1 Φ
50/60Hz
(AC460V 60Hz 1 Φ for U.S.)

GUN TYPE: HORIZONTAL, VERTICAL
MAXIMUM CURRENT H: 11000 Amp, V:12000 Amp
TABLE SIZE: :15 × 1000 × 1500mm
COOLING UNIT: ON BOARD

NK-03HV100-15-D-EZ

[SPECIFICATIONS] RATED CAPACITY :80kVA AC380~420V 1 Φ 50/60Hz (AC460V 60Hz 1 Φ for U.S.) GUN TYPE : HORIZONTAL, VERTICAL MAXIMUM CURRENT: H: 11000 Amp, V: 12000 Amp TABLE SIZE : £15 × 8 00 × 1000mm TABLE STROKE : 200mm (H650~850mm) COOLING UNIT : ON BOARD



NK-21HEV810-M-I-EZ

MYSPOT ADVANTAGES

Provides high-quality spot welds

- Better quality compared to converntional spot welding technologies
- produces minimal weld dents on table side

Increases productivity up to 200% or more

 Utilization of jigs and multiple MySpot units provides ultimate productivity

Reduces preparation time

- · Fewer tips required for normal production
- EasySetting feature sets reference welding parameters automatically

Environmentally friendly

 Eliminates harmful fumes and gases common to arc welding

Technical support available

Qualified technical support and system maintenance supportavailable

Easy transportation & Installation

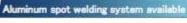
 All-in-one unit even water cooling system is onboard

Easy to fit into your production line

• All-in-one unit fits into any production line

Welds nuts and screws

Special tips available for welding nuts and screws

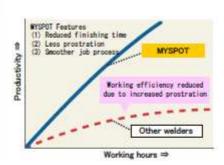


 Aluminum (5052) t2.0mm x t2.0mm sould be welded (NK-21HE810-M-AH4)



Comparison of operating efficiency between MYSPOT and conventional spot welders

	Conventional	(MYSPOT)		
Production/day	190 desks	310 desks		
Per sonne I	6	4		
Morking	10x6=60H	10x4=40H		
Working	18.9min	7, 7min		
Cost reduction		(18.9-7,7)/18.9 =0.59(59% less)		
Finishing time	4 min/unit	0 min/unit (100% less)		
Environment	Dust from secondary process	otean		
Skill	Required	Not required		
Quality	Inconsistent	Consistent		



MYSPOT USERS













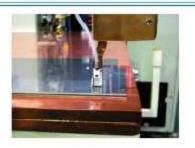








ANTI-OXIDATION SYSTEM (for stainless steel)





Anti-Oxidation system is effective only for SUS

NUT WELDING BY HORIZONTAL GUN







M6~M12

MA-M

Nut Welding Flange-type nut provide greater strength and less thread distortion, due to distoribution of current througth the nut's flange

NUT, SCREW WELDING BY VERTICAL GUN











 No spatters and less toxic gas emission





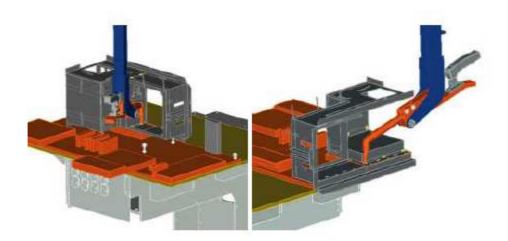
M6~M12

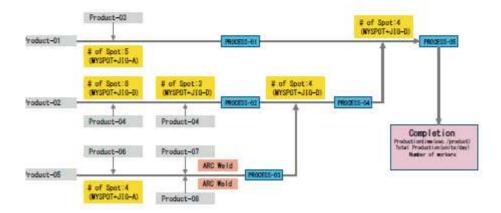
M12 M4~M6 Nut Welding

Flange-type nut provide greater strength and less thread distortion, due to distribution of current through the nut's flange

PROPOSITIONS FOR CUSTOM APPLICATIONS (Special JIGs · Engineering · Special Machines)

- •Designing spesial jigs for complex shaped workpieces
- •Designing and engineering special machines for special applications





Application of using fixtures











Even Non-Flat workpieces can be welded with simple fixtures on the table.



MYSPOT enables welding in unusually tight spaces.



The MYSPOT system is fast, flexible, and userfriendly.

MYSPOT International Models

21 Series



NK-21H810-M-D NK-21V810-0 NK-21HE810-M

Table Size: 800mm (31.5') × 1000mm (39.3') Gun Type: Horizontal or Vertical Gun Integrated cooling unit for easy transport

Model	Rated Casserty	Ger Type	Max Welding Current	Air Pressure	Electrode Force	Table Size
MK-219E810-M	36kVA	, N	HEEGGA	0. SWee 172. 6osil	2 26 N (490) (bc)	895 × 1000
AK-200010-0-T	88413.		11005A	0. SWps 172, 60517	7. 707 1499 (bd)	800×1000
N-21V810-0	BONVA	39	1790SA	0 SWee 172 Gos I	2.7M (490 lbd)	890 × 1000

Welding Capacity:

Mild Steel 2.3x2.3mm1.091×.091"1; Galvannesi 2.3x2.3mm1.091×.091"); Stainless 2.5x2.5mm1.091×.091"); Galvaniced 2.3x2.3mm1.091×.091").

For Aluminum (AL. 5052)



NK-21HE810-M-WKG

Table Size: 800em(31.5') ×1000em(39.3') Gun Type : Horizontal Gun

MYSPOT for 2.0 ×2.0mm U79 ×.079 [Aluminum Sheet with Inverter-type Transformer. 3.8kN Cylinder, Waximum Welding Current 24 DODAmps. Integrated cooling unit for easy transport

Mode1	Rated Expecity	Gun Tape	Max Welding Current	Air Pressure	Electrode Farce	Table Size
MK-21 (E 816-W-W/G	AVESE	н	24090A	E. SMos	2.884	900×1000

Welding Capacity:

Aluminum (AL5052) 2 0x2 0mm (079 × 079")

Mild Steel 3.2x3.2mm (125×126): Galvanneal 3.2x3.2mm (126×126); Stainless 3.0x3.0mm (118×118): Galvanized 3.2x3.2mm (126×126).



NK-03H100-15-D

NK-03V100-15-0

Table Size: 1000mm (39.3') x 1500mm (59.0') Gun Type : Horizontal or Vertical Gun integrated cooling unit for easy transport.

Model	Rated Garacity	Gan. Type	Nox Welding Correct	Air Pressure	Electrode Force	Table Size
MK-93H100-15-0	BONVA.	ù.	110304	1.5401	7.5km (550 lbd)	1660×1586
MK-83Y100-15-D	80014	v	12656A	8.5Mpa (17.6st/)	2.2km (490(bs)	1400×1500

Welding Capacity:

Mild Steel 2 3x2 3mm (001 × 001"): Galvannea 2 3x2 3mm (001 × 001"); Stainless 2 5x2 5mm (001 × 001"); Galvanized 2 3x2 3mm (001 × 001").

NOTE: Materials referenced above can vary slightly by manufacturer and country of origin. KOYO GIKEN INC. guarantees the performance of MYSPOT spot welders. but cannot guarantee individual material specifications or thicknesses.

VISCOT Selection

The advantage of MYSPOT is broad coverage of the parts to be welded. Equipped with the vertical gun. MYSPOT can make deep welds, where conventional welders cannot. MYSPOT is available with the H-Gun for horizontal movement. V-Gun for vertical movement, as well as with a combination of the H-Gun and V-Gun to suit your needs. While table size may be selected from the standard options above, both size and layout may also be individually customized to fit your production needs.