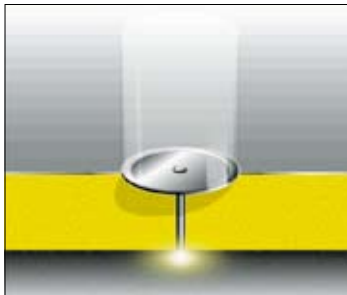




## BMS-6 ISO Stud Welder



The BMS-6 ISO stud welder and the PS-1KI stud welding gun are the optimum combination for welding cupped head pins on metallic workpieces to secure insulating jackets.

### BMS-6 ISO SOYER stud welder for capacitor discharge welding

#### Description:

The new BMS-6 ISO SOYER stud welder is equipped with a microprocessor control. This stud welder meets highest requirements due to operating convenience, low weight, high efficiency, compact design and absolute safety. (For innovative special features, please see over).

#### Technical data:

#### Welding range:

M3 - M6 or Ø 2 - 5.5 mm with steel, stainless steel, aluminium and brass, cupped head pins 2 - 2.7 mm in diameter and 10 - 55 mm in length

#### Material:

Nail - coppered steel, clip - galvanized steel

#### Welding process:

Capacitor discharge process as per EN ISO 14555

#### Standard gun:

PS-1 stud welding gun

#### Additional gun:

PS-1KI stud welding gun for cupped head pins

#### Power source:

Capacitor battery

#### Charging capacity:

44,000 µF

#### Charging voltage:

50 - 200 V, infinitely variable

#### Welding time:

0.001 - 0.003 seconds

#### Welding sequence:

up to 20 nails or studs/min, depending on the respective diameter

#### Mains supply:

115/230 V - 50/60 Hz - 16/10 AT

#### Welding cable:

3 m highly flexible

#### Earth cable:

3 m highly flexible with clamp

#### Dimensions:

300 x 120 x 320 mm (w x h x d)

#### Weight:

8.4 kg

#### Colour:

RAL 5009 azure-blue

Subject to technical changes

# Innovative Special Features of the BMS-6 ISO Stud Welder

The BMS-6 ISO SOYER stud welder is a new top-quality product in the field of stud welding technology guaranteeing first-class welding results when using the PS-1 standard welding gun. Using the PS-1KI stud welding gun, this stud welder allows not only studs and insulating nails to be welded but also cupped head pins. The BMS-6 ISO stud welder is exemplary regarding quality, technology, design and safety.

Additional performance features of the BMS-6 ISO stud welder include:

- ▶ Development and production fulfil all prescribed safety targets such as
  - the latest safety and accident prevention regulations (Act on the Safety of Technical Working Equipment)
  - electromagnetic compatibility (EMC Law)
  - European regulations (EU Directives on Machinery)
- ▶ Self-monitoring of all important functions
- ▶ Self-protection against overstress to guarantee a long service life
- ▶ Universal application for capacitor discharge stud welding of threaded studs, pins, insulating nails and cupped head pins
- ▶ Suitable for gap and contact welding
- ▶ Simplest operation due to infinitely bidirectional regulation of charging voltage by means of a potentiometer
- ▶ Short charging cycles to increase productivity
- ▶ New "charging control" (patent pending, Pat. No. 199 15 396.5) allowing very high welding sequences during continuous application
- ▶ Table at the front panel indicating standard values for different stud and nail diameters
- ▶ Monitoring of all functions by clearly arranged display panel
- ▶ High capacity reserves in borderline cases and in the case of difficult welding tasks
- ▶ Simple, internal mains voltage change-over 115 VAC/ 230 VAC + 10% - 15 %
- ▶ Transportable with all accessories in the GK-2 SOYER case (optional equipment) owing to its ideal geometry and light-weight construction
- ▶ No negative impairment in case of mains voltage fluctuations
- ▶ New scratch- and abrasion-proof as well as dirt-resistant plastic film coating on the front panel to protect all inscriptions even after many years of use

SOYER top-of-the-range products awarded the following prizes for



Production



Quality



Technology



Design



Stud  
Manufacture



Quality  
Management



International  
Approval



Safety



EC  
Conformity