

# MAS-04

TABLETOP STUD WELDING MACHINE

RELIABLE AND DURABLE!  
HIGH QUALITY MECHANICAL  
COMPONENTS!

HIGHEST ACCURACY  
IN POSITIONING OF  
WELDING ELEMENTS

CONTINUOUS HEIGHT ADJUSTMENT  
UP TO 80 MM

APPLICABLE FOR ALL STUD  
WELDING METHODS

ROBUST AND SOLID  
SET-UP MADE FROM  
ALUMINIUM PROFILES

COMPACT AND  
SPACE SAVING

SIMULATION OF WELDING PROCESS  
WITH FUNCTION CONTROL AND LIFT  
ADJUSTMENT ON WELDING HEAD  
(SET UP OPERATION)

OPTIONAL:  
X-AXIS

CAN BE EQUIPPED WITH VARIOUS  
WORKPIECE MOUNTING DEVICES  
(E.G. MOVABLE WORKHOLDING DEVICE,  
TURNTABLE)

PLUG-IN CONNECTIONS  
(FOR QUICK ASSEMBLY AND  
EASY MAINTENANCE)

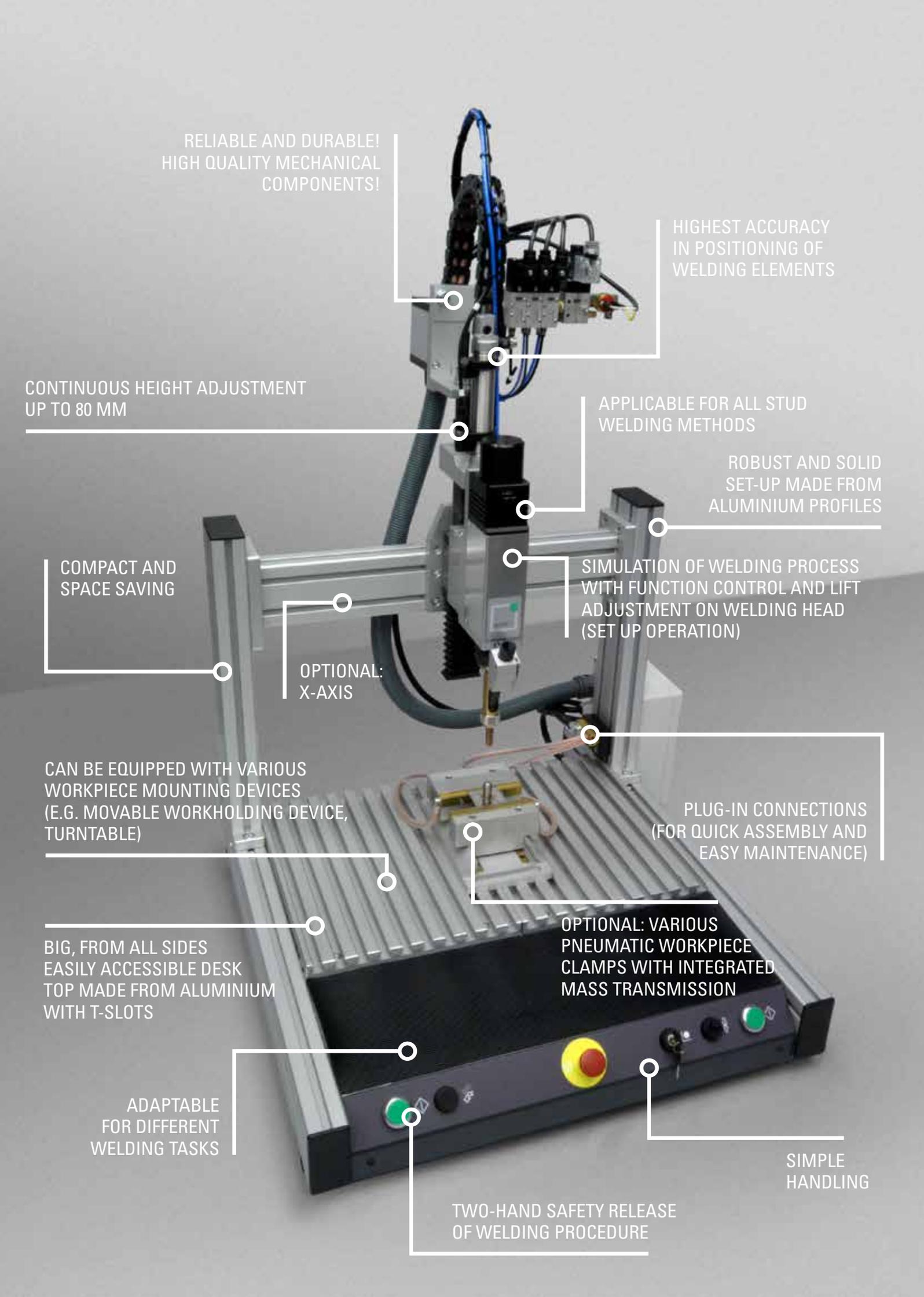
BIG, FROM ALL SIDES  
EASILY ACCESSIBLE DESK  
TOP MADE FROM ALUMINIUM  
WITH T-SLOTS

OPTIONAL: VARIOUS  
PNEUMATIC WORKPIECE  
CLAMPS WITH INTEGRATED  
MASS TRANSMISSION

ADAPTABLE  
FOR DIFFERENT  
WELDING TASKS

TWO-HAND SAFETY RELEASE  
OF WELDING PROCEDURE

SIMPLE  
HANDLING



## HIGHEST OPERATIONAL REPEATABILITY, HIGH WELDING QUALITY, HIGH RELIABILITY

The MAS-04 is an economically priced and flexible device for stationary stud welding. It is adaptable for different welding tasks (e.g. with x-axis, workpiece turning device) and can be equipped with various workpiece mounting devices (e.g. movable workholding device, turntable). The MAS-04 offers the perfect, precise and customized solution for a multitude of individual customer requirements.

The tabletop stud welding machine is ideal for the cost-effective serial production of small parts. It stands out by the highest precision in the positioning of welding elements and its ease of use at the same time.

The MAS-04 is applicable for all stud welding methods. It can be operated with the entire range of our stud welding units and our automatic welding heads KHA-200F and KKA-200F. Stud feeding is carried out automatically (by the automatic stud feeder VBZ) or semi-automatically (by manual insertion).

Optionally, the MAS-04 can be equipped with a safety housing with light curtain or door.

## TECHNICAL DATA AND CHARACTERISTICS

Tabletop stud welding machine MAS-04	
<b>Welding range<sup>1)</sup></b> stud diameter (mm)	3-8
<b>Welding method</b>	capacitor discharge (contact and gap method), short cycle, drawn arc
<b>Pneumatic working lift/welding head (mm)</b> mechanic adjusting range 50 mm	80
<b>Compressed air supply (bar)</b>	6
<b>Suitable stud welding heads</b>	KHA-200F, KKA-200F
<b>Dimensions</b>	
Width (mm)	580
Height (mm)	570
Length (mm)	660
Weight (kg)	34

<sup>1)</sup> Other diameters as well as special welding elements on request as special production.



## Bolte GmbH

Flurstraße 25  
D-58285 Gevelsberg

Tel.: +49 (0)2332 55106-0  
Fax: +49 (0)2332 55106-11

Ohmstraße 3  
D-85221 Dachau

Tel.: +49 (0)8131 5159-0  
Fax: +49 (0)8131 5159-11

E-Mail: [info@bolte.gmbh](mailto:info@bolte.gmbh)



[www.bolte.gmbh](http://www.bolte.gmbh)