

## Standard Bench Welding Machine XUM



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**Control interface  
(Touch Screen)**



**Machine with rocking table**



**Machines with sliding table**

**Specification for Standard Bench Welding Machines**

Model	USM 40/100	USM 50/100	USM 63/100	USM 80/100
Force (Newtons) @ 6 Bar Pressure	620	970	1650	2670
Air consumption Litres / cycle	1.7	2.7	4.2	6.9

Working height (measured from the transducer to the levelling table) is dependant on the ultrasonic equipment fitted as follows:

Generator Frequency	40kHz	30kHz	20kHz
Working height min.	216mm	185mm	259mm
Working Height max.	471mm	440mm	514mm

**Information common to all models:**

Supply voltage	230v (+/-10%) AC 50 Hz
Size of table	310 x 220 mm
Hold time	Infinitely variable
Dimensions (mm)	380 x 765 x 1151 Overall (W x D x H)
Weight	90 kg
Colour	French Blue BS116
Throat depth	190mm
Head stroke	25-100 mm
Speed control	Variable control using cylinder back pressure
Option	Models available with greater working height

**Control Specification**

5.7" STN LCD Touch screen  
 256 Colour or monochrome; 320 x 240 pixel resolution  
 User friendly on screen control functions  
 99 Program memory  
 Time or peak power weld control  
 Variable hold time  
 Quality monitoring with high/low limits  
 Good & reject counters with reject signal output available  
 Ultrasonic shake off to prevent component pickup  
 Printout capability of all set parameters via RS232 outlet  
 RS485 & RS 422 compatibility  
 Code locking of all set parameters  
 Weld & cut control for textile applications  
 All machines built to CE standards  
 Wide range of accessories including linear encoder, weld energy control, sliding table, standard or acoustic guard, and custom designed tooling available.

**British Design & Built**

This robust ultrasonic welding machine is designed and manufactured in the UK by Xfurth Ltd. The machine has been developed using the extensive experience Xfurth have in the field of ultrasonic welding and incorporates many features designed to give the equipment a high degree of reliability combined with ease of use.

In line with our policy of continuous development, we reserve the right to change the specification of any product without notice. It should be realised, therefore, that the forgoing particulars do not constitute a binding contract. Details of our standard terms and conditions are available on request. All weights and dimensions are approximate.

Xfurth is a trademark.

**Standard Bench Ultrasonic Welder  
XUM 40/100, 50/100, 63/100 & 80/100**