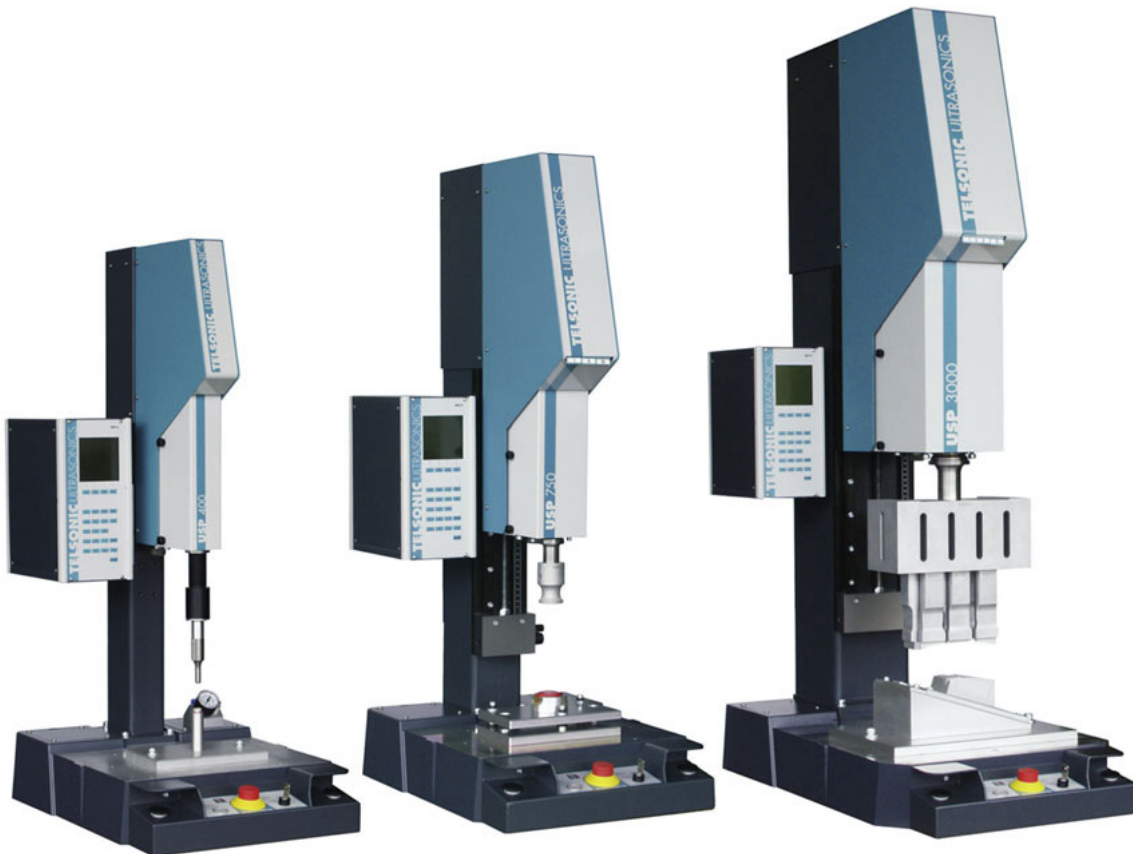


## Ultrasonic welding systems USP



5 different welding modes



Modular construction



High rigidity



Programmable I/O



Additional functions for accessories



## Technical characteristics

	USP-400	USP-750	USP-3000
<b>Controller MPS4</b>	✓	✓	✓
5 welding modes	-	✓	✓
Time	✓	✓	✓
Energy	✓	✓	✓
Distance relative	-	✓	✓
Distance absolute	-	✓	✓
Amplitude profile	✓	✓	✓
Force profile	-	Option.	Option.
Rotary and sliding table functions	✓	✓	✓
Sound proof functions	✓	✓	✓
Language selection	✓	✓	✓
Date and time	✓	✓	✓
Password protection	✓	✓	✓
Frequency measuring	✓	✓	✓
Floating I/Os	✓	✓	✓
Programmable I/Os 2 outputs- and 4 inputs	✓	✓	✓
PROFIBUS-DP	Option.	Option.	Option.
16 welding parameter sets	✓	✓	✓
PC compatible interfaces	✓	✓	✓
Scrolling saving of the last 4 welding curves	✓	✓	✓
<b>Generator digital hybrid</b>			
Frequency 20 kHz			
500 W	✓	✓	✓
1200 W	-	✓	✓
2000 W	-	-	✓
4000 W	-	-	✓
Frequency 35 kHz			
1200 W	✓	✓	✓
<b>Welding press USP</b>			
Welding force [N]	400	750	3000
Height adjustment [mm]	150	150	150
Stroke [mm]	50	100	100
Machine dimensions W x D x H max. [mm]	370x530x1026	370x530x1045	420x770x1315
Weight [kg]	45	65	100
Working area B x T [mm]	390x290	390x290	445x490
Head levelling on booster mounting	-	-	Option.
Parallelism table	Option.	Option.	Option.