

Linear vibration welding systems – 100 Hz

| Model | Vibration amplitude | Weld plane* | Clamp force | Lift table width x depth | Upper tooling width x depth | Upper tooling weight | Control | PPL Techno- logy |
|------------|---------------------|-----------------|-------------|-----------------------------|--------------------------------|-------------------------|-----------|------------------------|
| | mm | cm ² | kN | mm | mm | kg | | |
| M-112 L | 1,8-4,0 | 15 | 2,5 | 100x100 | 178x178 | 1,5-2,5 | PLC | yes |
| M-624 L/Li | 1,8-4,0 | 500 | 25 | 1330x540 | 920x540 | 65-135 | PLC/VC100 | yes |
| M-824 L/Li | 1,8-4,0 | 500 | 25 | 1500x600 | 920x540 | 65-135 | PLC/VC100 | yes |
| M-934 L/Li | 1,8-4,0 | 500 | 25 | 1750x700 | 1400x540 | 90-160 | PLC/VC100 | yes |
| M-936 L/Li | 1,8-4,0 | 750 | 25 | 1750x700 | 1400x540 | 100-200 | PLC/VC100 | yes |

Linear vibration welding systems – 240 Hz

| Model | Vibration amplitude | Weld plane* | Clamp force | Lift table width x depth | Upper tooling width x depth | Upper tooling weight | Control | PPL Techno- logy |
|------------|---------------------|-----------------|-------------|-----------------------------|--------------------------------|-------------------------|-----------|------------------------|
| | mm | cm ² | kN | mm | mm | kg | | |
| M-112 H | 0,9-1,8 | 15 | 2,5 | 100x100 | 178x178 | 1,5-2,5 | PLC | yes |
| M-202 H | 0,9-1,8 | 75 | 4,5 | 500x525 | 350x280 | 5,0-7,5 | PLC | no |
| M-5i1 H/Hi | 0,9-1,8 | 150 | 18 | 1020x540 | 390x376 | 20-40 | PLC/VC100 | yes |
| M-5i2 H/Hi | 0,9-1,8 | 150 | 18 | 1020x540 | 880x376 | 35-65 | PLC/VC100 | yes |
| M-5i3 H/Hi | 0,9-1,8 | 300 | 18 | 1020x540 | 880x376 | 40-70 | PLC/VC100 | yes |
| M-624 H/Hi | 0,9-1,8 | 500 | 25 | 1330x540 | 920x540 | 35-65 | PLC/VC100 | yes |
| M-824 H/Hi | 0,9-1,8 | 500 | 25 | 1500x600 | 920x540 | 35-65 | PLC/VC100 | yes |
| M-836 H/Hi | 0,9-1,8 | 750 | 30 | 1500x600 | 1400x540 | 50-100 | PLC/VC100 | yes |

„All-electric“ vibration welding systems – 100 Hz / 240 Hz

| Model | Vibration amplitude | Weld plane* | Clamp force | Lift table width x depth | Upper tooling width x depth | Upper tooling weight | Control | PPL- Techno- logy |
|---------------|---------------------|-----------------|-------------|-----------------------------|--------------------------------|-------------------------|---------|-------------------------|
| | mm | cm ² | kN | mm | mm | kg | | |
| 100 Hz | | | | | | | | |
| M-624 LSi | 1,8-4,0 | 500 | 25 | 1330X540 | 920x540 | 65-135 | VC100 | yes |
| M-934 LSi | 1,8-4,0 | 500 | 25 | 1750x700 | 1400x540 | 90-160 | VC100 | yes |
| M-936 LSi | 1,8-4,0 | 750 | 25 | 1750x700 | 1400x540 | 100-200 | VC100 | yes |
| 240 Hz | | | | | | | | |
| M-624 HSi | 0,9-1,8 | 500 | 25 | 1330x540 | 920x540 | 35-65 | VC100 | yes |

Orbital vibration welding systems – 200 Hz

| Model | Vibration amplitude | Weld plane* | Clamp force | Lift table width x depth | Upper tooling diameter | Upper tooling weight | Control | PMT Techno- logy |
|-----------|---------------------|-----------------|-------------|-----------------------------|---------------------------|-------------------------|---------|------------------------|
| | mm | cm ² | kN | mm | mm | kg | | |
| M-203 PMT | 0,75-1,5 | 40 | 4,5 | 500x525 | 288 | 5,0-7,5 | PLC | yes |

* depending on material and geometry of the application