

	<p><b>Optionals for Joint underpinners:</b></p> <ul style="list-style-type: none"> <li>Adjustable inclining bench</li> <li>Pair of working bench extensions</li> <li>4 mm wedge compensators</li> <li>7 mm wedge compensators</li> <li>10 mm wedge compensators</li> <li>12 mm wedge compensators</li> </ul> <p>Fixed fence for Hexagons</p> <p>Fixed fence for Octagons</p>	<p>€ Code</p> <p>470 JB</p> <p>148 JJP</p> <p>37 JSA4</p> <p>37 JSA7</p> <p>37 JSA10</p> <p>37 JSA12</p> <p>63 JE</p> <p>63 JQ</p>	<p><b>JOINT 5x5S UNDERPINNER</b> € 1.580 J5x5S</p> <p>Bench pneumatic underpinner.</p> <ul style="list-style-type: none"> <li>Dual-function pedal: clamping of frame followed by wedge insertion</li> <li>Pneumatic upper clamping</li> <li>Maximum moulding width 100 mm</li> <li>Pressure and manometer regulator • 40 cycles per minute</li> <li>Horizontal clamping for better corner joints • Front pressor</li> <li>Descent regulator of the vertical pressor</li> <li>Selector that allows you to choose manual or automatic cycle</li> </ul>
	<p>U200</p> <p>U200P</p> <p>U200PK</p>		<p><b>UNDERPINNER U200</b> € 1.100 U200</p> <p>It is suitable for hobbyists and artists. Advantages: ease of use, low maintenance, it is inclinable. Maximum width of the moulding 120 mm. Weight: 38 kg Works with 5 - 7 - 10 - 12 - 15 mm Minigraf wedges.</p> <p>Kit of the pair of wings for working table extension €168 U200K</p> <p><b>UNDERPINNER U200P</b> € 1.400 U200P</p> <p>Suitable for framers with a moderate working volume. Maximum moulding width 120 mm. Maximum moulding height 80 mm. Works with 5 - 7 - 10 - 12 - 15 mm Minigraf wedges. Dimensions: 330x450 mm. Weight: 35 kg. Can operate on a working table or mounted on the floor stand.</p> <p>Floor stand for U200P underpinner. € 330 U200PK</p>
	<p>U300</p> <p>U300P</p>		<p><b>UNDERPINNER U300</b> easy and compact. Features: € 1.750 U300</p> <ul style="list-style-type: none"> <li>Square pneumatic clamping</li> <li>Dual-function foot-operated pedal</li> <li>Wedge magazine with pneumatic opening</li> <li>Heads for inserting 5-7-10-12-15 mm wedges.</li> </ul> <p>Floor stand for U300 € 340 MGA</p> <p>Wings working tables for U300 € 165 MGB</p> <p><b>UNDERPINNER U300P</b> € 3.400 U300P</p> <p>Pneumatic bench top frame underpinner for high working volume of frames. 3 wedge position per corner. Features:</p> <ul style="list-style-type: none"> <li>Single and double corner blocks</li> <li>Double hydraulic clamp to hold down perfectly the mouldings</li> <li>Horizontal clamping</li> <li>Soft clamping of mouldings</li> <li>Heads for inserting: 5-7-10-12-15 mm wedges</li> </ul> <p>Floor stand for U300P € 410 MGZ</p> <p>Wings working tables for U300P € 165 MGB</p> <p>Fixed fence for hexagons for U200-U300 € 124 MGE</p> <p>Fixed fence for hexagons for U200-U300 € 124 MGO</p>
	<p>U400</p> <p>U400S</p>		<p><b>UNDERPINNER U400S with floor stand</b> € 3.700 U400S</p> <p>The machine can be operated from the front or back and has a one stage foot pedal which activates the horizontal clamp. Features:</p> <ul style="list-style-type: none"> <li>Various magnetic pressure pads</li> <li>Double hydraulic clamp to hold down perfectly the mouldings</li> <li>Horizontal clamping</li> <li>Heads for inserting 5-7-10-12-15 mm wedges</li> </ul> <p>Wings working tables for U400S € 165 MGB</p> <p><b>UNDERPINNER U400 with bench</b> € 4.500 U400</p> <p>Pneumatic underpinner, suitable particularly for assembling large mouldings. Its special feature is the wedges interchangeable metal storages. Suitable for a considerable working volume.</p> <ul style="list-style-type: none"> <li>5 interchangeable metal storages to replace the wedges</li> <li>Maximum moulding width 145 mm</li> <li>Maximum distance between the wedges 200 mm</li> <li>The inclination of the bench can be changed</li> <li>Pneumatic system to adjust weight of the cart</li> </ul> <p>Wings working tables for U400 € 170 MGB400</p>
<p><b>Heads for Minigraf:</b></p> <p>Head for 5 mm wedges € 53 MGD5</p> <p>Head for 7 mm wedges € 53 MGD7</p> <p>Head for 10 mm wedges € 53 MGD10</p> <p>Head for 12 mm wedges € 53 MGD12</p> <p>Head for 15 mm wedges € 53 MGD15</p> <p>Interchangeable thicknesses for the U600 v-nails magazine:</p> <p>- Thickness for 5 mm v-nails € 41,50 U600S5</p> <p>- Thickness for 7 mm v-nails € 41,50 U600S7</p> <p>- Thickness for 10 mm v-nails € 41,50 U600S10</p> <p>- Thickness for 12 mm v-nails € 41,50 U600S12</p> <p>Double hydraulic top pressure pad € 705 U600DT for U600</p>	 <p>U600</p>		<p><b>UNDERPINNER U500</b> € 10.100 U500</p> <p>Electronic underpinner Minigraf Memory Program with floor stand. The machine program allows to load up to 5000 different mouldings. The wedges can be driven or stacked in up to 10 positions per corner.</p> <ul style="list-style-type: none"> <li>Pneumatic feeding: 4-7 Bar - 58-100 PSI</li> <li>Maximum moulding width: 80 mm • Maximum moulding height: 80 mm</li> <li>Maximum distance between the wedges 145 mm</li> <li>Wedges size: 5-7-10-12-15 mm</li> <li>Dimensions including floor stand: 770x770x1500 mm • Weight: 140 Kg</li> </ul> <p><b>UNDERPINNER U600</b> € 14.400 U600</p> <p>Electronic underpinner Minigraf MP Multichannel with floor stand. It is the evolution of the MemProg with the same features plus a special magazine that can storage up to 5 different types of wedges (5-7-10-12-15 mm). The framer can thus insert and stack wedges of different height. The machine program allows to load up to 5000 different mouldings.</p> <p>Technical features:</p> <ul style="list-style-type: none"> <li>Pneumatic feeding: 4-7 Bar - 58-100 PSI</li> <li>Maximum moulding width: 100 mm • Maximum moulding height: 80 mm</li> <li>Maximum distance between the wedges 140 mm</li> <li>Dimensions including floor stand: 770x770x1500 mm • Weight: 140 Kg</li> </ul>
 <p>39711</p> <p>24221</p> <p>39712</p> <p>39713</p> <p>24222</p> <p>24223</p>	<p>The system includes 3 rubber pads that are used to lock the frame according to different types (soft or hard woods, smooth or rough finishes of the moulding etc.). The 3 pads are of different color.</p> <ul style="list-style-type: none"> <li>Pad-holder magnetised that is to be applied to the base of the vertical bar</li> <li>Pad-holder not magnetized, which is to be applied to the vertical bar with two bolts</li> <li>Pad-holder double suited for large frames with special shapes. Fixed with the bolts.</li> </ul>		<ul style="list-style-type: none"> <li>Black pad for hard woods € 13,00 39711</li> <li>Light pad for medium woods € 13,00 39712</li> <li>Blue pad for soft woods € 13,00 39713</li> <li>€ 31,00 24221</li> <li>€ 42,00 24222</li> <li>€ 130,00 24223</li> </ul>