

 <p>J5x5A</p>	<p>Optionals for Joint underpinners:</p> <ul style="list-style-type: none"> • Adjustable inclinating bench • Pair of working bench extensions • Special fixed fence for Hexagons • Special fixed fence for Octagons • 4 mm wedge compensators • 7 mm wedge compensators • 10 mm wedge compensators • 12 mm wedge compensators 	<table border="1"> <tr><th>€</th><th>Code</th></tr> <tr><td>510</td><td>JB</td></tr> <tr><td>120</td><td>JJP</td></tr> <tr><td>47</td><td>JE</td></tr> <tr><td>47</td><td>JQ</td></tr> <tr><td>29</td><td>JSA4</td></tr> <tr><td>29</td><td>JSA7</td></tr> <tr><td>29</td><td>JSA10</td></tr> <tr><td>29</td><td>JSA12</td></tr> </table>	€	Code	510	JB	120	JJP	47	JE	47	JQ	29	JSA4	29	JSA7	29	JSA10	29	JSA12	<p>JOINT 5x5A UNDERPINNER € 1.250 J5x5A</p> <p>Bench pneumatic underpinner. Very easy to use.</p> <p>Suitable for framers with a working volume of about 20 frames per week.</p> <ul style="list-style-type: none"> • Dual-function pedal: clamping of frame followed by wedge insertion • Horizontal clamping for better corner joints • Pneumatic upper clamping • Maximum moulding width 10 cm • Pressure and manometer regulator • 40 cycles per minute • Dimensions 35x45x32 cm • Weight: 28 kg
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<p>JOINT 5x5S UNDERPINNER € 1.600 J5x5S</p> <p>Like J5x5A Underpinner but also with:</p> <ul style="list-style-type: none"> • Front pressor • Descent regulator of the vertical pressor • Selector that allows you to choose manual or automatic cycle • Wedges test red button 																					

 <p>F2000</p>	<p>FRECCIA 2000 UNDERPINNER € 1.230 F2000</p> <p>Bench F2000 underpinner, manufactured in Italy by Gielle, is the latest version of the "Freccia" underpinners and includes the most advanced features. Works with wedges FL7 - FL10 - FL12- FL15. Its most useful feature is the fast exchange system of wedges. This is very important for frames which frequently must change the height of the wedges.</p>
	<p>Pair of working bench extensions € 104 F2000A</p>

 <p>U300</p>	<p>UNDERPINNER U300 € 1.550 U300</p> <p>Bench top frame underpinner, easy and compact. Features:</p> <ul style="list-style-type: none"> • Square pneumatic clamping • Dual-function foot-operated pedal • Wedge magazine with pneumatic opening • Heads for inserting 7 - 10 - 15 mm wedges. • Dimensions: 30x48x47 cm • Weight: 32 kg
	<p>UNDERPINNER U300P € 2.950 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"> • Single and double corner blocks • Double hydraulic clamp to hold down perfectly the mouldings • Horizontal clamping • Soft clamping of mouldings • Heads for inserting: 7 - 10 - 15 mm wedges • Dimensions 35x64x47 cm • Weight 36 kg

 <p>U400 with bench</p>	<p>UNDERPINNER U400S with floor stand € 2.750 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"> • Various magnetic pressure pads • Double hydraulic clamp to hold down perfectly the mouldings • Horizontal clamping • Heads for inserting 7 - 10 - 15 mm wedges • Dimensions without bench 60x35x50 cm • Weight 48 kg
	<p>UNDERPINNER U400 with bench € 3.450 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"> • 5 interchangeable metal storages to replace the wedges • Maximum moulding width 145 mm • Maximum distance between the wedges 200 mm • The inclination of the bench can be changed • Pneumatic system to adjust weight of the cart • Dimensions without bench 40x59x50 cm • Weight 50 Kg

 <p>U600 MultiChannel</p>	<p>UNDERPINNER U500 € 7.200 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"> • Pneumatic feeding: 4-7 Bar - 58-100 PSI • Maximum moulding width: 80 mm • Maximum moulding height: 80 mm • Maximum distance between the wedges 145 mm • Wedges size: 7 - 10 - 15 mm. On request also: 3 - 5 - 7 mm • Dimensions including floor stand: 77x77x150 cm • Weight: 140 Kg
	<p>UNDERPINNER U600 € 10.150 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). In the same working cycle the framer can thus insert and/or stack wedges of different height in the programmed positions. The machine program allows to load up to 5000 different mouldings.</p> <p>Technical features:</p> <ul style="list-style-type: none"> • Pneumatic feeding: 4-7 Bar - 58-100 PSI • Maximum moulding width: 100 mm • Maximum moulding height: 80 mm • Maximum distance between the wedges 140 mm • Dimensions including floor stand: 77x77x150 cm • Weight: 140 Kg

<p>Optionals for Minigraf:</p> <table border="1"> <tr><th>€</th><th>Code</th></tr> <tr><td>270</td><td>MGA</td></tr> <tr><td>275</td><td>MGZ</td></tr> <tr><td>275</td><td>MGM</td></tr> </table> <p>Fixed fence for hexagons for U200-U300 102 MGE Fixed fence for octagons for U20-U300 106 MGO Wings working table for U300-U400-U400S 110 MGB</p>	€	Code	270	MGA	275	MGZ	275	MGM	<p>Heads for Minigraf:</p> <table border="1"> <tr><th>€</th><th>Code</th></tr> <tr><td>€ 39</td><td>MGD5</td></tr> <tr><td>€ 39</td><td>MGD7</td></tr> <tr><td>€ 39</td><td>MGD10</td></tr> <tr><td>€ 39</td><td>MGD12</td></tr> <tr><td>€ 39</td><td>MGD15</td></tr> </table>	€	Code	€ 39	MGD5	€ 39	MGD7	€ 39	MGD10	€ 39	MGD12	€ 39	MGD15
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 <p>39711 24221 39712 24222 39713 24223</p>	<p>Blocking system for underpinners Minigraf of "U" series</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.). Pads must be inserted into the cavities of the pad-holders.</p> <p>The 3 pads are of different color to be easily recognizable:</p> <ul style="list-style-type: none"> • Black pad for hard woods € 9,00 39711 • Light pad for medium woods € 9,00 39712 • Blue pad for soft woods € 9,00 39713 • Pad-holder magnetised that is to be applied to the base of the vertical bar € 26,00 24221 • Pad-holder not magnetized, which is to be applied to the vertical bar with two bolts € 31,00 24222 • Pad-holder double suited for large frames with special shapes. It should be fixed to the bar with the bolts. € 104,00 24223
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