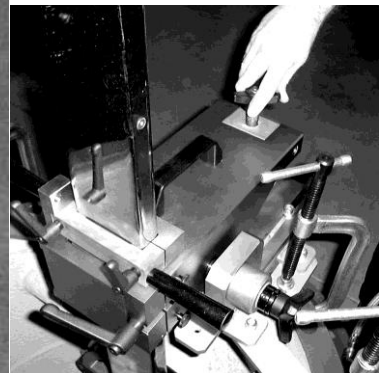
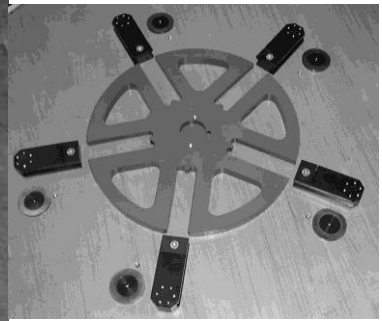
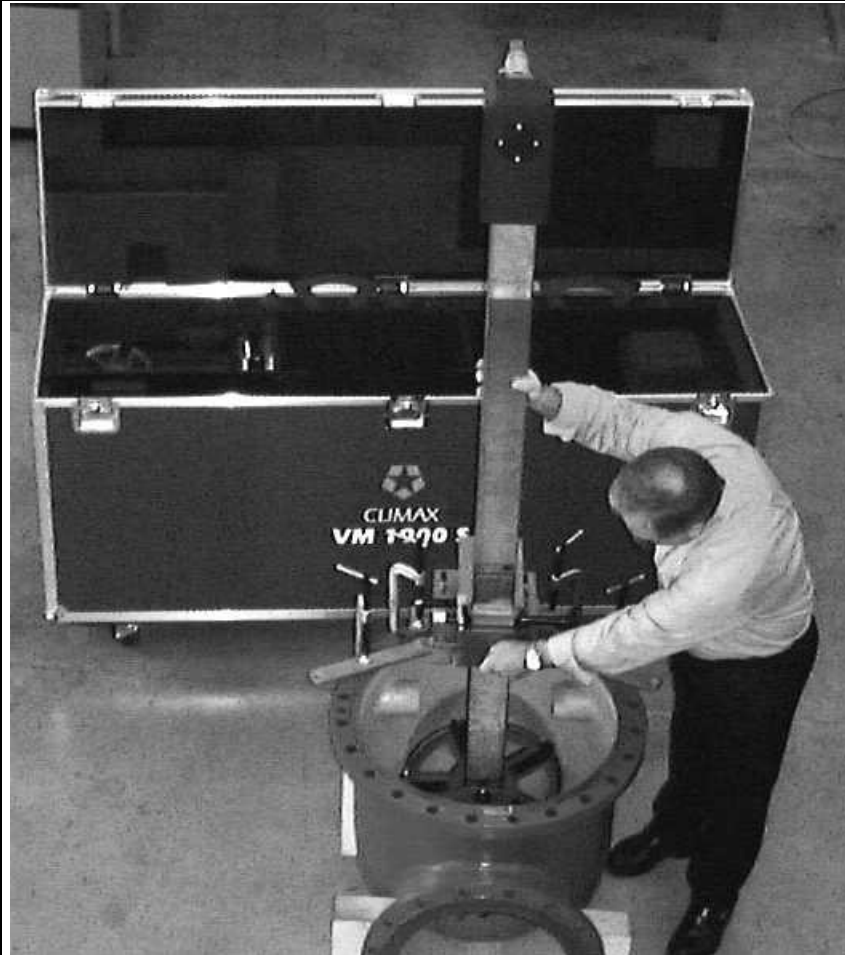


# ***Gate Valve Grinding and Lapping Machine VM1700, VM1900 DN200 ... DN1200 / DN8" ... DN48"***



***"On Site" grinding and lapping of  
gate valves***

***Easy to handle***

***Powerful***

***Rigid design***

***High performance***



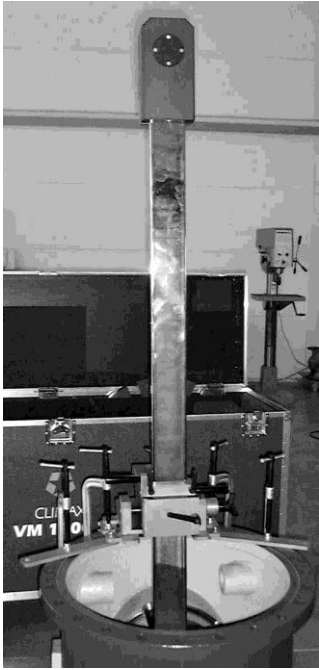


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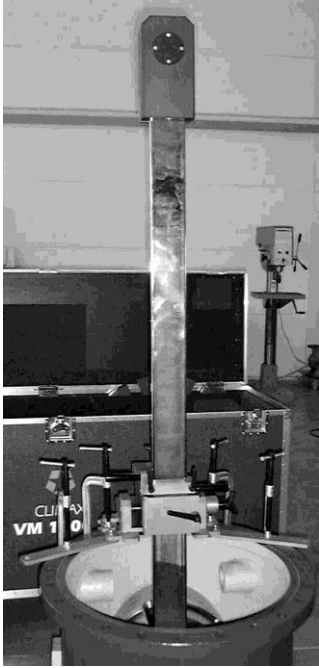


<b>Technical Data</b>			
<b>Working range-DN...</b>	min	<b>8''</b>	<b>200 mm</b>
	max VM1700	<b>28''</b>	<b>700 mm</b>
	max VM1700 with extension	<b>36''</b>	<b>900 mm</b>
	max VM1900	<b>40''</b>	<b>1000 mm</b>
	max VM1900 with extension	<b>48''</b>	<b>1200 mm</b>
<b>Submerging Depth</b>	max (VM1700)	<b>40''</b>	<b>1000 mm</b>
	max (VM1900)	<b>55''</b>	<b>1400 mm</b>
<b>Power</b>	electric	<b>1.3 HP</b>	<b>1 kW</b>
	pneumatic	<b>0,75 HP</b>	<b>0,55 kW</b>
<b>Variable Spindle Speed</b>	electric	<b>20 ... 370 rpm</b>	
	pneumatic	<b>20 ... 270 rpm</b>	
<b>Spindle Torque</b>	permanent	<b>28 ft-lb</b>	<b>40 Nm</b>
	max	<b>117 ft-lb</b>	<b>160 Nm</b>

<b>Weight</b>		
<b>Machine VM1700</b>		
<b>Basic machine without tool</b>	<b>62 lb</b>	<b>28 kg</b>
<b>Shipping Weight</b>	<b>330 lb</b>	<b>160 kg</b>
<b>Machine VM1900</b>		
<b>Basic machine without tool</b>	<b>68 lb</b>	<b>31 kg</b>
<b>Shipping Weight</b>	<b>507 lb</b>	<b>230 kg</b>

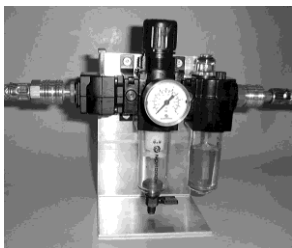
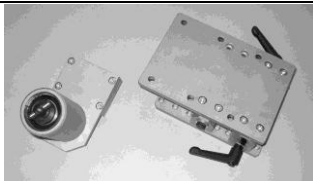
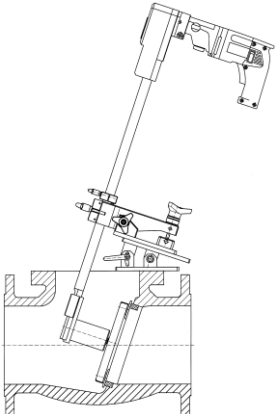

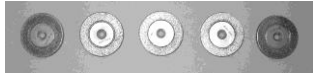


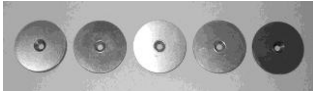

## Model VM1700 (DN200 ... DN700 / DN8" ... DN28")

	P/N	Description	
		<p><b>Gate Valve Grinder VM1700S</b>                      Nominal working dia 8" to 28" (200 mm to 700 mm)                      Submerging depth 40" (1000 mm).                      Scope of supply:</p> <ul style="list-style-type: none"> <li>• 3 sets of planet arms length 60, 115, 160 mm.</li> <li>• 3 pcs of planet wheels dia 220, 380, 540 mm.</li> <li>• 2 sets of grinding discs dia 50, 80 mm.</li> <li>• 1 set of clamping equipment for mounting the machine on valves with and without top flange .</li> <li>• Start up set of abrasives grain 100 and 500.</li> <li>• 1 set of CBN grinding disks dia 50 mm.</li> <li>• 1 set of tooling.</li> <li>• Carrying cases with foam inlet for the machine and the accessories.</li> </ul>	
	470-00S-S12	VM1700S with electric motor 230 V / 50 Hz	
	470-00S-S13	VM1700S with pneumatic motor	
	470-00S-S14	VM1700S with electric motor 230V / 50 Hz and pneumatic motor	
	470-00S-S15	VM1700S with electric motor 115 V / 60 Hz	
	470-00S-S16	VM1700S with electric motor 115V / 60 Hz and pneumatic motor	
		<p><b>Gate Valve Grinding and Lapping machine VM1700</b>                      Machine like VM1700S but with additional lapping equipment:</p> <ul style="list-style-type: none"> <li>• 2 sets of lapping disks 50 and 80 mm.</li> <li>• Lapping paste 10 and 30 µm.</li> </ul>	
	470-00S-S02	VM1700 with electric motor 230 V / 50 Hz	
	470-00S-S03	VM1700 with pneumatic motor	
	470-00S-S04	VM1700 with electric motor 230V / 50 Hz and pneumatic motor	
	470-00S-S05	VM1700 with electric motor 115 V / 60 Hz	
	470-00S-S06	VM1700 with electric motor 115V / 60 Hz and pneumatic motor	
			

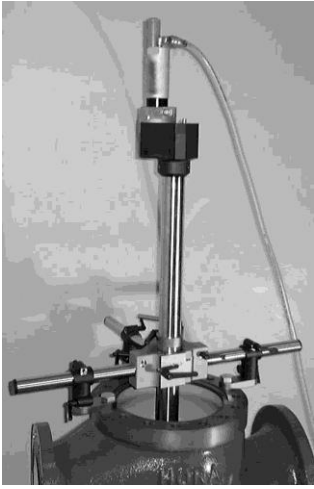

## Model VM1900 (DN200 ... DN1000 / DN8" ... DN40")

	P/N	Description	
		<p><b>Gate Valve Grinder VM1900S</b>            Nominal working dia 8" to 28" (200 mm to 1000 mm)            Submerging depth 55" (1400 mm).            Scope of supply:</p> <ul style="list-style-type: none"> <li>• 3 sets of planet arms length 60, 115, 160 mm.</li> <li>• 4 pcs of planet wheels dia 220, 380, 540, 820 mm.</li> <li>• 2 sets of grinding discs dia 50, 80 mm.</li> <li>• 1 set of clamping equipment for mounting the machine on valves with and without top flange .</li> <li>• Start up set of abrasives grain 100 and 500.</li> <li>• 1 set of CBN grinding disks dia 50 mm.</li> <li>• 1 set of tooling.</li> <li>• Carrying cases with foam inlet for the machine and the accessories.</li> </ul>	
	470-00S-S32	VM1900S with electric motor 230 V / 50 Hz	
	470-00S-S33	VM1900S with pneumatic motor	
	470-00S-S34	VM1900S with electric motor 230V / 50 Hz and pneumatic motor	
	470-00S-S35	VM1900S with electric motor 115 V / 60 Hz	
	470-00S-S36	VM1900S with electric motor 115V / 60 Hz and pneumatic motor	
		<p><b>Gate Valve Grinding and Lapping machine VM1900</b>            Machine like VM1900S but with additional lapping equipment:</p> <ul style="list-style-type: none"> <li>• 2 sets of lapping disks 50 and 80 mm.</li> <li>• Lapping paste 10 and 30 µm.</li> </ul>	
	470-00S-S22	VM1900 with electric motor 230 V / 50 Hz	
	470-00S-S23	VM1900 with pneumatic motor	
	470-00S-S24	VM1900 with electric motor 230V / 50 Hz and pneumatic motor	
	470-00S-S25	VM1900 with electric motor 115 V / 60 Hz	
	470-00S-S26	VM1900 with electric motor 115V / 60 Hz and pneumatic motor	
			


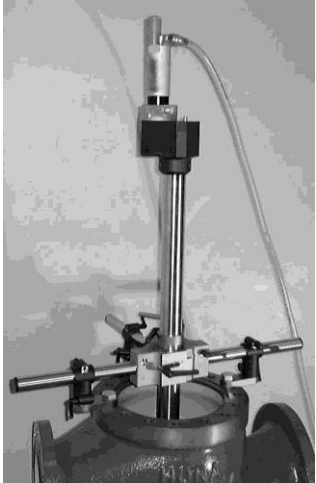
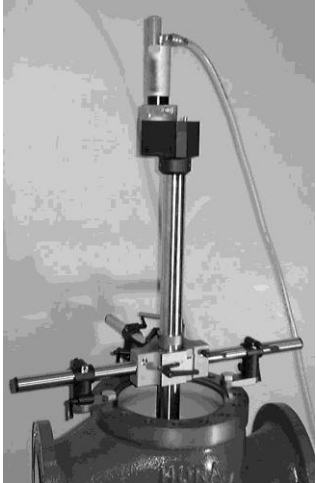
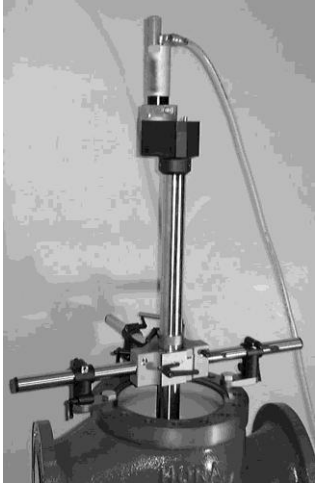
## Accessories

	P/N	Description	
	<b>240-13K-001</b>	<b>Maintenance unit for pneumatic motor</b> Required for machines with pneumatic motor. The maintenance unit is <b>not</b> included in the standard scope of supply with pneumatic driven machines. Includes: <ul style="list-style-type: none"> <li>• filter</li> <li>• oiler</li> <li>• pressure gauge</li> <li>• speed controller</li> </ul>	
  	<b>470-00S-L03</b>	<b>Swing Check accessories</b> For grinding of swing check valves. Includes: <ul style="list-style-type: none"> <li>• swivel adapter for adaption of the machine on the valve</li> <li>• spindle extension for reaching the seat with the planet wheels.</li> </ul>	
	<b>120-22S-N01</b>	<b>Planet arm 275 mm long</b> To extend working dia: <ul style="list-style-type: none"> <li>• from DN700 to DN900 (28" to 36") for VM1700</li> <li>• from DN1000 to DN1200 (40" to 48") for VM1900</li> </ul> <b>(1 set = 5 pieces = 5 x P/N for VM1700)</b> <b>(1 set = 7 pieces = 7 x P/N for VM1900)</b>	
	<b>110-33S-N01</b>	<b>CBN grinding disks dia 50 mm</b> <b>(1 set = 5 pieces = 5 x P/N for VM1700)</b> <b>(1 set = 7 pieces = 7 x P/N for VM1900)</b> Required for rough grinding of seats with big damages. (1 set is included in each component package).	
	<b>110-34S-N01</b>	<b>CBN grinding disks dia 80 mm</b> <b>(1 set = 5 pieces = 5 x P/N for VM1700)</b> <b>(1 set = 7 pieces = 7 x P/N for VM1900)</b> Required for rough grinding of seats with big damages.	
	<b>110-41S-N01</b>	<b>Lapping disks dia 30 mm</b> <b>(1 set = 5 pieces = 5 x P/N for VM1700)</b> <b>(1 set = 7 pieces = 7 x P/N for VM1900)</b>	
	<b>110-42S-N01</b>	<b>Lapping disks dia 50 mm</b> <b>(1 set = 5 pieces = 5 x P/N for VM1700)</b> <b>(1 set = 7 pieces = 7 x P/N for VM1900)</b>	
	<b>110-43S-N01</b>	<b>Lapping disks dia 80 mm</b> <b>(1 set = 5 pieces = 5 x P/N for VM1700)</b> <b>(1 set = 7 pieces = 7 x P/N for VM1900)</b>	

## Accessories

	P/N	Description
		<p><b>Globe Valve Extension Kit</b>                      The extension kit comes with a complete machine arm (submerging depth 1000 mm / 40") and a mounting equipment. It uses the motor and the tooling of the VM1700/1900.                      Scope of supply:</p> <ul style="list-style-type: none"> <li>• One pieces of ball joint coupling size 15 and 25 each.</li> <li>• Integrated grinding pressure detection with a scale.</li> <li>• Mounting column with mounting plate for valves with and without flange.</li> <li>• Carrying case with foam inlet for the accessories. The machine arm is included in the case of the VM1700</li> </ul>
	<b>270-00S-L12</b>	<b>Globe Valve Extension with electric motor 230 V / 50 Hz</b>
	<b>270-00S-L13</b>	<b>Globe Valve Extension with pneumatic motor</b>
	<b>270-00S-L15</b>	<b>Globe Valve Extension with electric motor 115 V / 60 Hz</b>
		

## TWIN Machines for Gate and Globe Valves (DN200 ... DN1200 / DN8" ... 48")

	P/N	Description	
		<b>Gate Valve Grinder VM1700ST</b> <ul style="list-style-type: none"> <li>Includes The VM1700S and the Globe valve extension</li> </ul>	
	470-00S-T12	VM1700ST with electric motor 230 V / 50 Hz	
	470-00S-T13	VM1700ST with pneumatic motor	
	470-00S-T14	VM1700ST with electric motor 230 V / 50 Hz and pneumatic motor	
	470-00S-T15	VM1700ST with electric motor 115 V / 60 Hz	
	470-00S-T16	VM1700ST with electric motor 115 V / 60 Hz and pneumatic motor	
		<b>Gate Valve Grinding an Lapping machine VM1700T</b> <ul style="list-style-type: none"> <li>Includes The VM1700 and the Globe valve extension</li> </ul>	
	470-00S-T02	VM1700T with electric motor 230 V / 50 Hz	
	470-00S-T03	VM1700T with pneumatic motor	
	470-00S-T04	VM1700T with electric motor 230 V / 50 Hz and pneumatic motor	
	470-00S-T05	VM1700T with electric motor 115 V / 60 Hz	
	470-00S-T06	VM1700T with electric motor 115 V / 60 Hz and pneumatic motor	
		<b>Gate Valve Grinder VM1900ST</b> <ul style="list-style-type: none"> <li>Includes The VM1900S and the Globe valve extension</li> </ul>	
	470-00S-T32	VM1900ST with electric motor 230 V / 50 Hz	
	470-00S-T33	VM1900ST with pneumatic motor	
	470-00S-T34	VM1900ST with electric motor 230 V / 50 Hz and pneumatic motor	
	470-00S-T35	VM1900ST with electric motor 115 V / 60 Hz	
	470-00S-T36	VM1900ST with electric motor 115 V / 60 Hz and pneumatic motor	
		<b>Gate Valve Grinding an Lapping machine VM1900T</b> <ul style="list-style-type: none"> <li>Includes The VM1900 and the Globe valve extension</li> </ul>	
	470-00S-T22	VM1900T with electric motor 230 V / 50 Hz	
	470-00S-T23	VM1900T with pneumatic motor	
	470-00S-T24	VM1900T with electric motor 230 V / 50 Hz and pneumatic motor	
	470-00S-T25	VM1900T with electric motor 115 V / 60 Hz	
	470-00S-T26	VM1900T with electric motor 115 V / 60 Hz and pneumatic motor	

Because CLIMAX is committed to product improvement, the machine you receive may be slightly different to the pictures above.