

<b>Chart of cost</b>	<b>RUMUL</b>	<b>Servo-</b>
	<b>Resonant</b>	<b>hydraulic</b>
	<b>EURO</b>	<b>EURO</b>
<b>Financing</b>	<b>25'900.--</b>	<b>45'190.--</b>
<b>Maintenance</b>	<b>1'000.--</b>	<b>14'170.--</b>
<b>Power</b>	<b>175.--</b>	<b>16'800.--</b>
<b>Running cost</b>	<b>27'075.--</b>	<b>76'160.--</b>
<b>Cost per hour</b> <b>(5000 h per year)</b>	<b>5.40</b>	<b>15,25</b>
<b>1 single test for 2 Mio. cycles</b>		
<b>Frequency RUMUL 150 Hz</b>		
<b>Servohydraulic 50Hz</b>		
<b>Running time [hours]</b>	<b>3,7</b>	<b>11,1</b>
<b>Cost for 1 specimen</b>	<b>19.90 EURO</b>	<b>169.30 EURO</b>

<b>Financing expenses</b>	<b>RUMUL</b>	<b>Servo-</b>
<b>Interest rate 12%</b>	<b>Resonant</b>	<b>hydraulic</b>
<b>Time for depreciation 8 years</b>	<b>EURO</b>	<b>EURO</b>
<b>Machine</b>	<b>138'000.--</b>	<b>210'000.--</b>
<b>Installation</b>		
<b>Pump</b>	<b>xxxxxx</b>	<b>17'200.--</b>
<b>Pipes</b>	<b>xxxxxx</b>	<b>2'070.--</b>
<b>Coolingsystem</b>	<b>xxxxxx</b>	<b>8'280.--</b>
<b>Monitoring</b>	<b>xxxxxx</b>	<b>4'720.--</b>
<b>Others</b>	<b>2'000.--</b>	<b>2'000.--</b>
<b>Sum of investment</b>	<b>140'000.--</b>	<b>244'270.--</b>
<b>Cost for interest and depriciation</b>	<b>25'900.--</b>	<b>45'190.--</b>

<b>Maintenance</b>	<b>RUMUL</b>	<b>Servo-</b>
<b>Average taken from 5 years</b>	<b>Resonant</b>	<b>hydraulic</b>
	<b>EURO</b>	<b>EURO</b>
<b>Filters</b>	<b>xxxxxxx</b>	<b>1'800.--</b>
<b>Hydrauliccoil</b>	<b>xxxxxxx</b>	<b>4450.--</b>
<b>Valve</b>	<b>xxxxxxx</b>	<b>3'150.--</b>
<b>Actuator</b>	<b>xxxxxxx</b>	<b>3'770.--</b>
<b>Others</b>	<b>1'000.--</b>	<b>1'000.--</b>
<b>Sum maintenance</b>	<b>1'000.--</b>	<b>14'170.--</b>

<b>Power</b>	<b>RUMUL</b>	<b>Servo-</b>
<b>Operating time 5000 hour/ year</b>	<b>Resonant</b>	<b>hydraulic</b>
<b>Cost for power 0,07 EURO/ kWh</b>	<b>EURO</b>	<b>EURO</b>
<b>Power consumption      kW</b>	<b>0,5</b>	<b>48</b>
<b>                                 per year kWh</b>	<b>2.500</b>	<b>240.000</b>
<b>Cost for power</b>	<b>175.--</b>	<b>16'800.--</b>