



Phase No.	1	2	3	4	5	6	Duty Cycle			
	7	8	9	10						
Stroke mm +/- : according directions convention, see scheme 1										
Time (s)										
Mass to displace (kg) (i.e. gripper + part masses to move)										
EXTERNAL FORCE APPLICATION POSITION (MM) + or - : according directions convention, see scheme 2										
Xg										
Yg										
Zg										
EXTERNAL FORCE (N) (I.E. CYLINDER/SPRING FORCE TO CONTRAST) + / - : according directions convention, see scheme 1										
Fx										
Fy										
Fz										
CENTER OF GRAVITY MASS TO DISPLACE POSITION (MM) + or - : according directions convention, see scheme 2										
Lx										
Ly										
Lz										
Usefull stroke requested (mm)										
Any space limitations										
Axis must work "in position" mode (i.e. reaching a defined position, reacting against external forces), or "in torque" mode (i.e. pushing with controlled force against external obstacles in position not defined)?	<input type="checkbox"/> Torque <input type="checkbox"/> Position									
No. of hours/day worked (h/d)										
ENVIRONMENTAL CONDITIONS										
Temperature °C / Humidity										
Severity of environment use presence of dust, processing chips, etc.										
Motor	<input type="checkbox"/> Metal Work <input type="checkbox"/> Client <input type="checkbox"/> To be evaluated (produce both solutions)									
ACCESSORIES										
cables tray chain										
Motor cable length										
Available supply voltage										
The control will be done with:	<input type="checkbox"/> PLC with step-dir board and "Line Driver" signals <input type="checkbox"/> PLC with step-dir board and "Open Collector" signals <input type="checkbox"/> PLC with brushless axis board <input type="checkbox"/> There is no PLC									
Short description, notes and draw of the possible application:										