

# PROJECT PLANNING SHEET



## HS3 Axis Systems

### Customer data

Company:	Processed by:
Technical consultant:	Date:
Purchasing consultant:	Project name:

### Project plan

Quantity: _____	Period: _____
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### System data

Total mass m [kg]	System type:		
	X-axis	Y-axis	Z-axis
Axis type:			
Stroke length [mm]:			

### Operating data

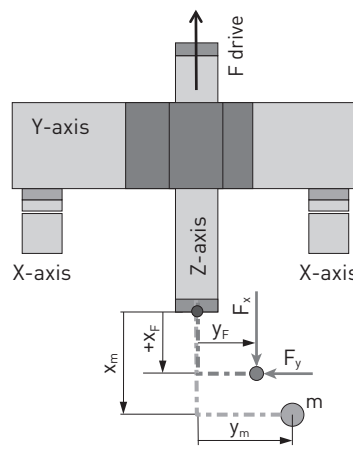
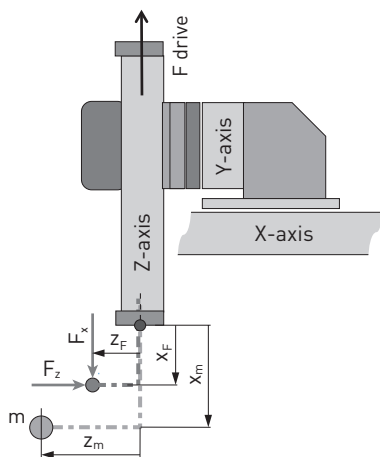
Cycles/hour: _____	Hours/day: _____	Days/year: _____
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### Cycle (travel distance, process time, travel speed, acceleration and non-productive times (breaks, gripper timer etc.))

Path Nr.	Travel distance [mm]			Total cycle time _____ [s]				Description of the operation or non-productive times
	X-axis	Y-axis	Z-axis	Positioning $t_{pos}$ [s]	$v_{max}$ [m/s]	$a_{max}$ [m/s <sup>2</sup> ]	Break $t_{pause}$ [s]	
1								
2								
3								
4								
5								
6								

### Axis positioning in space

Three-axis system type HS3



Connection of the mass at the system interface:

$x_m =$	[mm]
$y_m =$	[mm]
$z_m =$	[mm]

External forces:

$F_x =$	[N]
$F_y =$	[N]
$F_z =$	[N]

Force transmission point:

$x_F =$	[mm]
$y_F =$	[mm]
$z_F =$	[mm]

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Options		
Feature	Standard	Option
Limit switch:	<input type="checkbox"/> A	<input type="checkbox"/> Without
Energy chain:	<input type="checkbox"/> Without	<input type="checkbox"/> X-axis <input type="checkbox"/> X- and Y-axis <input type="checkbox"/> X-, Y- and Z-axis
Drive interface:	<input type="checkbox"/> Without	<input type="checkbox"/> Right <input type="checkbox"/> Left
Other system options:		

	X-axis	Y-axis	Z-axis
Motor adapter/ motor gear adapter:	<input type="checkbox"/> Without <input type="checkbox"/> With adapter for motor Type: _____ Manufacturer: _____ <input type="checkbox"/> With adapter for gearbox Type: _____	<input type="checkbox"/> Without <input type="checkbox"/> With adapter for motor Type: _____ Manufacturer: _____ <input type="checkbox"/> With adapter for gearbox Type: _____	<input type="checkbox"/> Without <input type="checkbox"/> With adapter for motor Type: _____ Manufacturer: _____ <input type="checkbox"/> With adapter for gearbox Type: _____
Gears:	<input type="checkbox"/> Without gearboxe <input type="checkbox"/> According to technical configuration <input type="checkbox"/> With assembled Neugart gearbox Type: _____ Transmission: _____	<input type="checkbox"/> Without gearboxe <input type="checkbox"/> According to technical configuration <input type="checkbox"/> With assembled Neugart gearbox Type: _____ Transmission: _____	<input type="checkbox"/> Without gearboxe <input type="checkbox"/> According to technical configuration <input type="checkbox"/> With assembled Neugart gearbox Type: _____ Transmission: _____
Other axis options:			

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Accessories	
<input type="checkbox"/> HIWIN servo motor	Break <input type="checkbox"/> With motor brake <input type="checkbox"/> Without motor brake Encoder <input type="checkbox"/> 23 bit absolute singleturn <input type="checkbox"/> 23 bit absolute multiturn
<input type="checkbox"/> HIWIN servo drive	Interface <input type="checkbox"/> EtherCAT CoE <input type="checkbox"/> PROFINET <input type="checkbox"/> Step-direction/+-10V <input type="checkbox"/> _____
<input type="checkbox"/> Motor cable	<input type="checkbox"/> 3m <input type="checkbox"/> 5m <input type="checkbox"/> 10m <input type="checkbox"/> _____
<input type="checkbox"/> Encoder cable	<input type="checkbox"/> 3m <input type="checkbox"/> 5m <input type="checkbox"/> 10m <input type="checkbox"/> _____
<input type="checkbox"/> Extension cable for limit switches	<input type="checkbox"/> 3m <input type="checkbox"/> 5m <input type="checkbox"/> 7m <input type="checkbox"/> 10m <input type="checkbox"/> 15m
<input type="checkbox"/> Further cables	<input type="checkbox"/> USB parameterisation cable <input type="checkbox"/> E/A-cable <input type="checkbox"/> STO-cable, 3m
<input type="checkbox"/> Mains filter	
<input type="checkbox"/> Nuts	Quantity: _____ VPE (10 pcs.)
<input type="checkbox"/> Clamping profiles	Quantity: _____ VPE (4 pcs.)
<input type="checkbox"/> Centering sleeve	Quantity: _____ VPE (10 pcs.)
<input type="checkbox"/> Nut cover, 2m	Quantity: _____ VPE (5 pcs.)
<input type="checkbox"/> Cover for drive block	Quantity: _____ pcs.
<input type="checkbox"/> Shaft journal	Quantity: _____ pcs.

Application (Sector, machine, application, ambient conditions, sketch)