

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

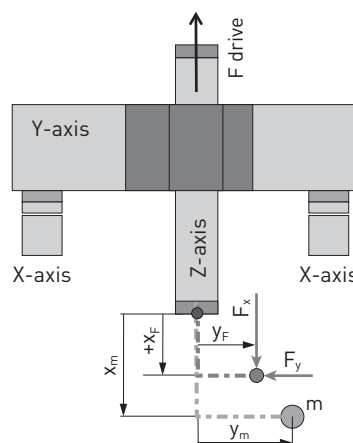
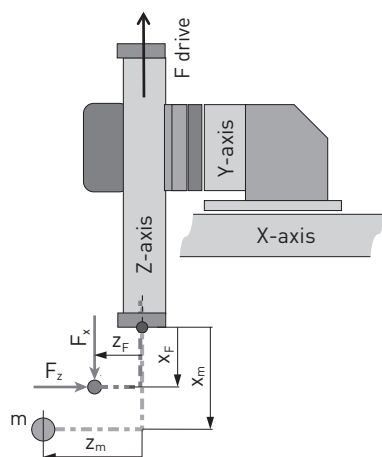
Cycles/hour: _____	Hours/day: _____	Days/year: _____
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Cycle (travel distance, process time, travel speed, acceleration and non-productive times (breaks, gripper timer etc.))

	Travel distance [mm]			Total cycle time _____ [s]				
Path Nr.	X-axis	Y-axis	Z-axis	Positioning t_{pos} [s]	v_{max} [m/s]	a_{max} [m/s ²]	Break t_{pause} [s]	Description of the operation or non-productive times
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:	☐ A	☐ Without
Energy chain:	☐ Without	☐ X-axis ☐ X- and Y-axis ☐ X-, Y- and Z-axis
Drive interface:	☐ Without	☐ Right ☐ Left
Other system options:		

	X-axis	Y-axis	Z-axis
Motor adapter/ motor gear adapter:	☐ Without ☐ With adapter for motor Type: _____ Manufacturer: _____ ☐ With adapter for gearbox Type: _____	☐ Without ☐ With adapter for motor Type: _____ Manufacturer: _____ ☐ With adapter for gearbox Type: _____	☐ Without ☐ With adapter for motor Type: _____ Manufacturer: _____ ☐ With adapter for gearbox Type: _____
Gears:	☐ Without gearbox ☐ According to technical configuration ☐ With assembled Neugart gearbox Type: _____ Transmission: _____	☐ Without gearbox ☐ According to technical configuration ☐ With assembled Neugart gearbox Type: _____ Transmission: _____	☐ Without gearbox ☐ According to technical configuration ☐ With assembled Neugart gearbox Type: _____ Transmission: _____
Other axis options:			

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

Application [Sector, machine, application, ambient conditions, sketch]