# Project Planning Sheet
## HM/HT/HD Linear Axis

**HIWIN®**
Motion Control & Systems

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

## Project plan (current state of project/schedule/quantity/aimed price)

## Application (industry sector, machine type, usage etc.)

## System parameters

| | |
|---|---|
| Total mass m [kg]: | Drive: ☐ Belt  ☐ Spindle  ☐ Linear motor  ☐ acc. to calculation |
| Stroke [mm]: | Repeatability [mm]: |

Ambient conditions (temperature, humidity, clips, dirt):

## Cycle (travel distance, process time, travel speed, acceleration and non-productive times (breaks, gripper times etc.))

| Path No. | Travel distance [mm] | Positioning time [s] | $V_{max}$ [m/s] | $a_{max}$ [m/s²] | Break [s] | Description of the operation or non-productive times |
|---|---|---|---|---|---|---|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

## Axis position in space

Single and double axis

Angle A: _____ °

Single axis HM/HT

Angle B: _____ °
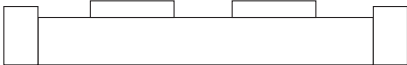
Double axis HD (with a stiff connection of the carriages)

Distance between axes D:

_____ mm

Angle B: _____ °

Connection of mass on carriage:

xm = _____ [mm]
ym = _____ [mm]
zm = _____ [mm]

Additional external force:

Fx = _____ [N]
Fy = _____ [N]
Fz = _____ [N]

Force transmission point:

xF = _____ [mm]
yF = _____ [mm]
zF = _____ [mm]

☐ Carriages are not connected or have a non-stiff connection
(please add sketch and further information)

# Project Planning Sheet
## HM/HT/HD Linear Axis

**HIWIN®**
Motion Control & Systems

## Options

| Feature | Standard | Option |
|---|---|---|
| Carriage length: | ☐ S | ☐ L [1] ☐ M [1] ☐ acc. to calculation |
| Second carriage: | ☐ No | ☐ Yes, clearance [1]: _____ mm |
| Cover strip HM-B/HD: | ☐ Without | ☐ With |
| Cover strip HM-S/HT: | ☐ With | ☐ Without |
| Limit switches [2]: | ☐ A | ☐ C ☐ D ☐ Without |
| Pos. measurement system — H-S/H-B: | ☐ Without | ☐ Analogue signal ☐ Digital signal |
| Pos. measurement system — HT-L [2]: | ☐ A | ☐ B ☐ D ☐ E ☐ T |
| Spindle support H-S: | ☐ Without | ☐ Yes, quantity: _____ ☐ acc. to calculation |
| Drive interface H-B/H-S/HD: | ☐ Without | H-B: ☐ On the right ☐ On the left<br>H-S: ☐ Straight ☐ Belt drive on the right ☐ Belt drive on the left ☐ Belt drive at the top ☐ Belt drive at the bottom<br>HD: ☐ On the right ☐ On the left |
| Connection interface HT-L | | HT-L [2]: ☐ R ☐ F ☐ B ☐ D |
| Motor/motor gear adapter H-B/H-S: | ☐ Without | ☐ With adapter for motor, type: _____ Manufacturer _____<br>☐ With adapter for Neugart gearbox, type: _____ |
| Gears H-B: | ☐ Without | ☐ With assembled gearbox, type: _____<br>Gear transmission: _____<br>☐ With assembled gearbox acc. to calculation |
| HIWIN motor H-B/H-S: | ☐ Without | ☐ With assembled HIWIN motor, type: _____ |
| Accessories: | ☐ Without | ☐ Journal — Type: _____ Quantity: _____<br>☐ Centring sleeve (PU: 10 pcs.) Type: _____ Quantity: _____<br>☐ T Nuts (PU: 10 pcs.) Type: _____ Quantity: _____<br>☐ Clamping profile (PU: 4 pcs.) Type: _____ Quantity: _____ |

Carriage length · Clearance

[1] Not applicable to HT    [2] For details please refer to the order code in the catalogue „Linear Axes and Axis Systems HX"

## Sketch (with separate attachment, where appropriate)