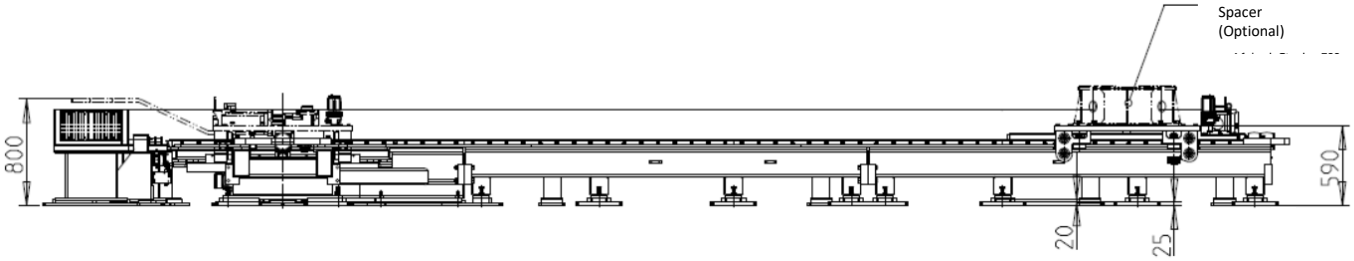
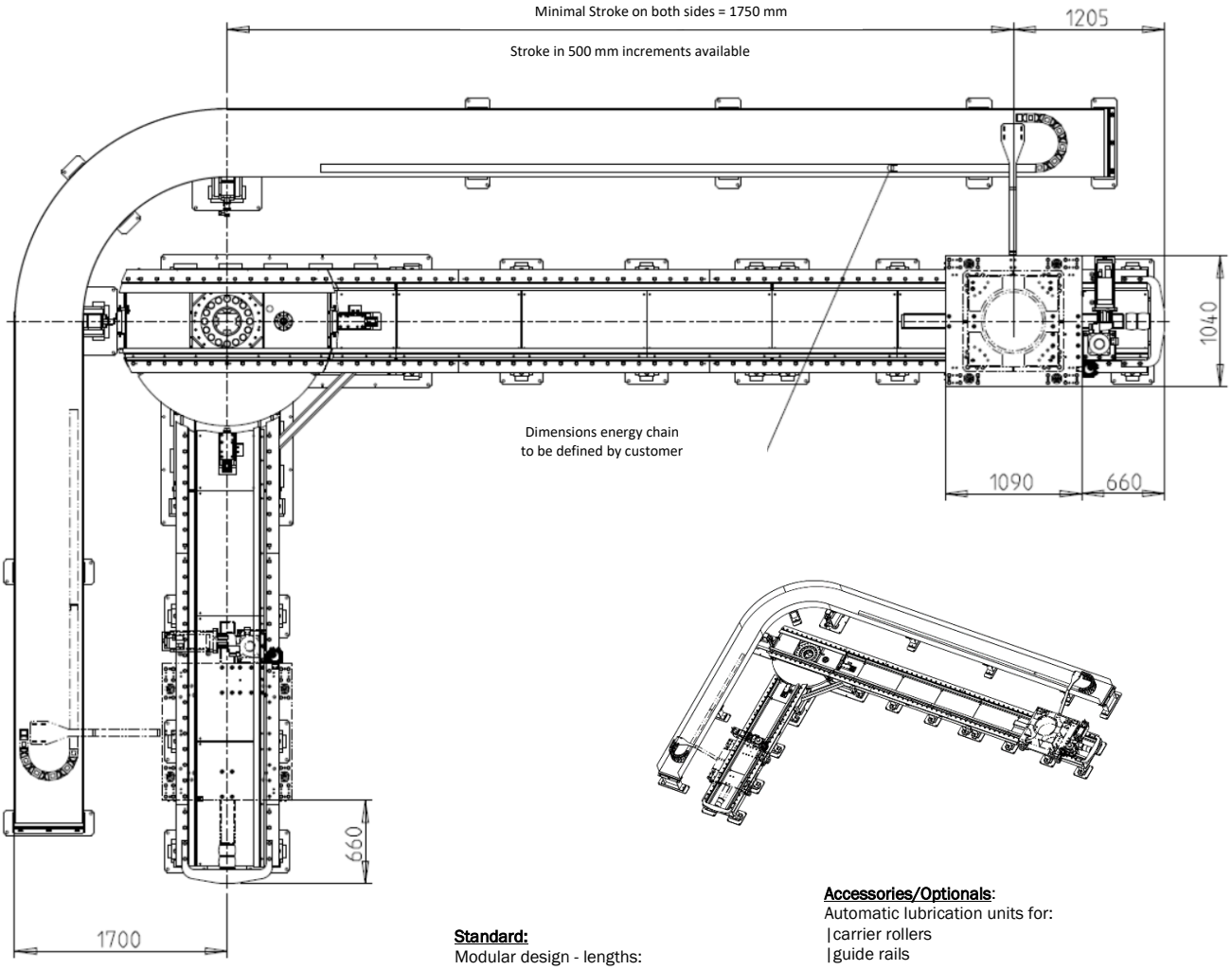
EXPERT-TÜNKERS – 7TH AXIS + TURNING STATION

Linear axis and Indexing station for robots up to 2000kg total weight.





Order example:

Stroke	mm
Robot type / model	
bulkhead plate	
application	
Number of robots per axis (max. 2)	
Indexing angle Turning station	

The 7th axis series:

Type	As 7th axis robot weight[2]	As a linear carriage tool weight[2]
EFA 1	1000kg	2000kg
EFA 2	2000 kg	4000 kg
EFA 2.5	2500 kg	5000 kg
EFA 3	4500kg	6000kg
EFA 4	>5000kg	>7000kg

[2] *Approximated values*

Standard:
Modular design - lengths:
|Modules 1500 and 2000 mm

Colours
|fixed parts: 7035 RAL
|moving parts: 9005 RAL

Gearbox for straight shaft Motors
Automatic lubricators for racks and pinions
Energy chain on the side

Technical specifications:
Linear Axis
v max = 2.5 m/s
a max = 3.8 m/s²
|*depending on the application*

Turning station
Index t ≤ 3.0s for 90°.
Lockout 1.0s ≤ t≤0.8s
|*Without control, just mechanical*

Accuracy = ±0.2mm
Repeatability = 0.02mm
|*Without control, just mechanical*

Accessories/Optionals:
Automatic lubrication units for:
|carrier rollers
|guide rails

Spacer up to 1000 mm in 100 mm steps.

Motor adaptations for involute and conical shafts, keys and encapsulated motors (*paint-motors*).

energy chain
|*Other dimensions and versions available*

Connection interface (Bulkhead) according to customer specifications

Other sizes (type 1 and type 4)
Other output angles (from 115° - 0°) available on request.

Product details
www.expert-tunkers.de > Products >Transporting Technology > EFA | Seventh Axis

Online Request
www.expert-tunkers.de > Inquiry > Seventh axis

For more information and project inquiries, contact us at salesvb13@expert-tuenkers.de