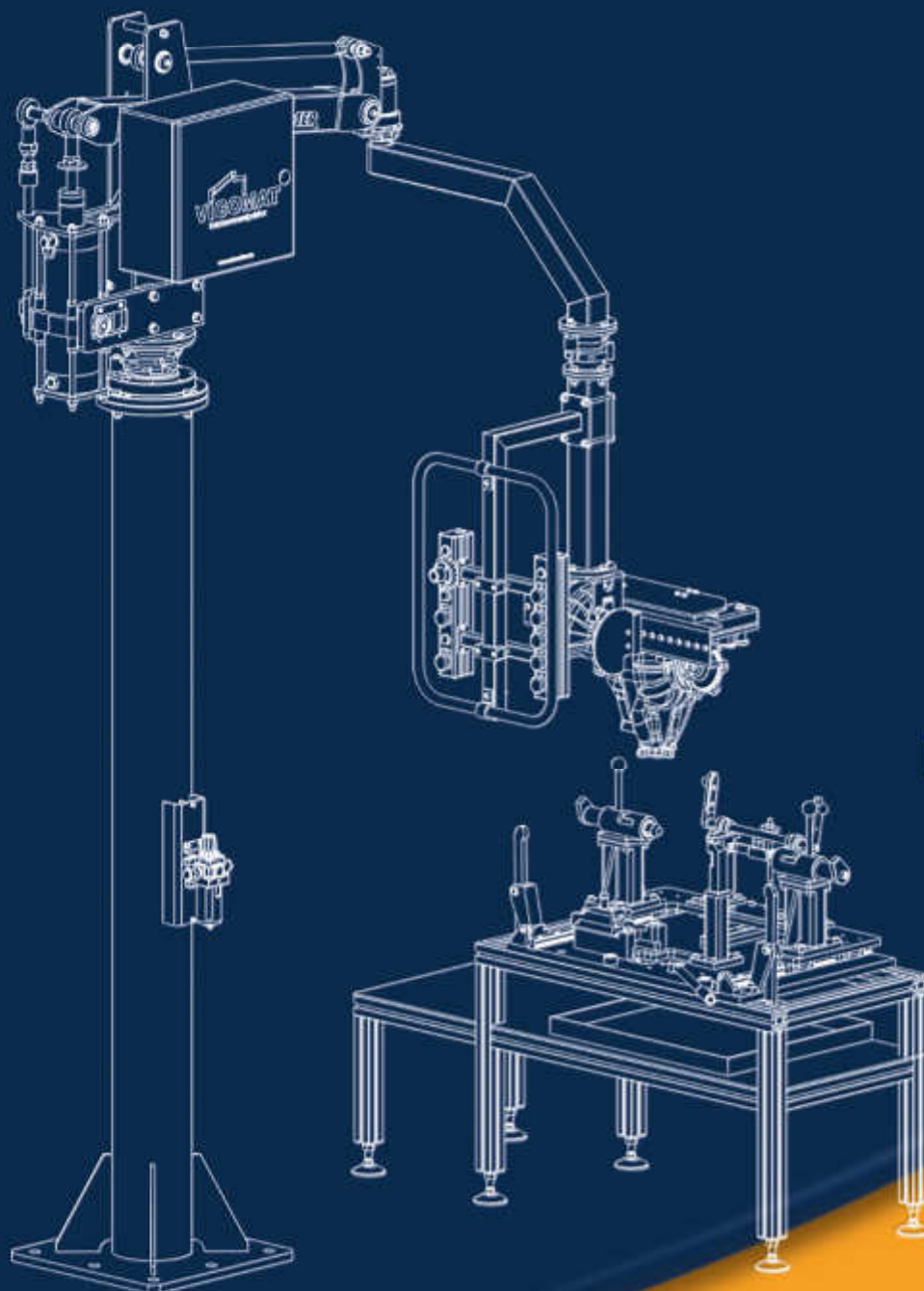


# Sales program

[www.stroedter.de](http://www.stroedter.de)

**STROEDTER**  
Handhabungstechnik GmbH

*We get loads  
floating on air !*



**SUBAMAT**  
Pneumatic Balancer - Hoist Axis

**ZYBAMAT**  
Pneumatic Balancer

**YKOMAT**  
Manipulator

**TRIMAT**  
Rope Manipulator

**PICOMAT**  
Rope Manipulator

**TELOMAT**  
Telescopic Manipulator

**VIGOMAT**  
Articulated Arm Manipulator

**REGAMAT**

**STROEDTER**  
Handhabungstechnik GmbH

**Light crane &  
Handling technology**

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# A strong partner for assembly works

1

## Our handling devices

Over 30 years development work have made our handling devices a reliable tool for different branches of the industry. No matter, whether it refers to individual devices, or to equip a complete assembly line – Intelligent ergonomics directly from Strödter.

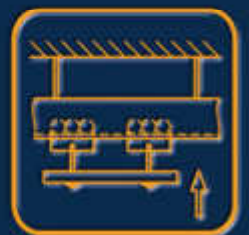
## Device versions

Our handling units are available to suit your individual needs. The device design is based on performance requirements, the load range and the work area.

For applications with a crane trolley Strödter offers a self-developed aluminium smooth-running rail system (ROLLYX), which can easily be mounted on hall resp. ceiling support beams. Integration in an existing system is certainly also feasible.



Floor-mounted  
column variants



Rail-guided  
variants



Ceiling-mounted  
variants



Wall-mounting  
or clamping

Variants of floor- and ceiling-mounted columns also represent a standard. For some devices, this variant can be realized with the help of our light crane technology. In separate cases wall mounting or clamping to an existing hall support beam is possible.

The Strödter portal steelwork program complements the contingent of a large-scale workplace design.

# The Balancer Hoist Axes

SUBA-MAT is a telescopic manipulator with ball bearing mounted, moment stable roller guidance. There are two types (spring balancer, pneumatic balancer) available. Loads can be lifted and moved flexibly, sensitively and floatingly.

## Standard version

### Hoist axis with spring balancer

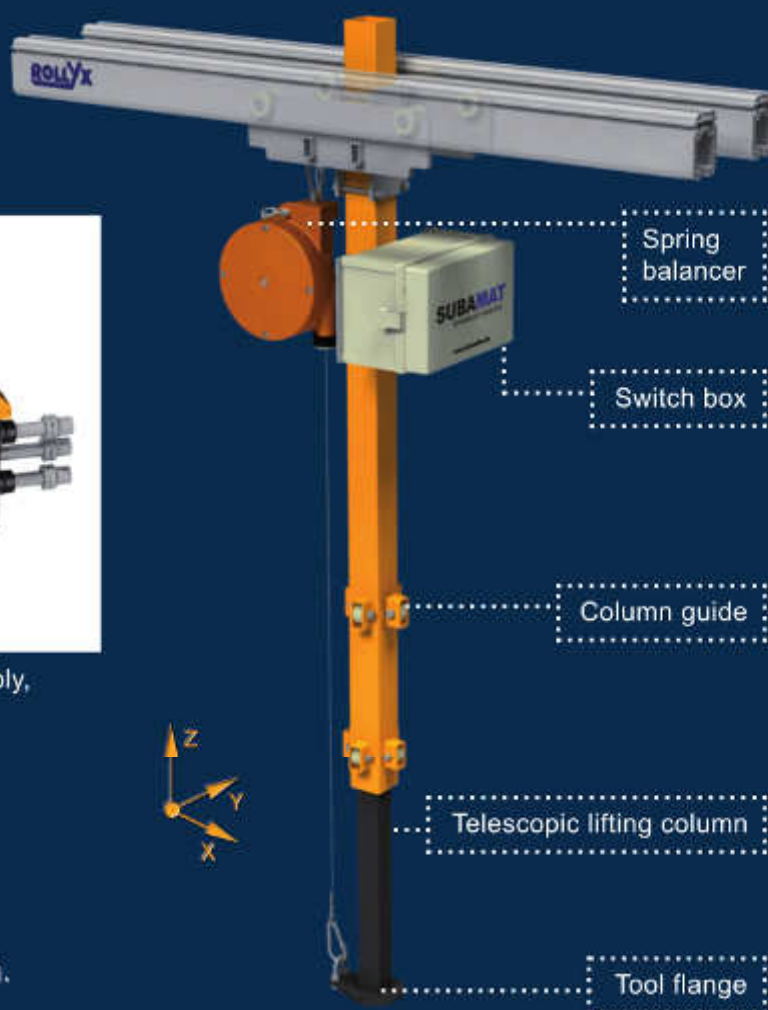
## SUBAMAT

Pneumatic Balancer - Hoist Axis

In comparison to other units this device is especially suitable for free-hanging, constant loads up to 76 kg and was particularly developed for a rigid and moment stable movement of tools.



DC screwing unit, e.g. for wheel assembly, crash box bolting, etc.



- |                   |  |
|-------------------|--|
| Standard payload: | up to 76 kg  |
| Standard stroke:  | up to 1500 mm.   |
| Lifting speed:    | max. 1 m/s   |
| Duty cycle:       | 100%   |
| Torque loading:   | moment stable  |
| Control:          | Spring balanced<br>(adjusted to load weight to be balanced)  |
| Ergonomics:       | direct load movement and ergonomic handrail with balance function  |
| Operating range:  | rail movable in X/Y on double light crane runway   |
| Application area: | - fast, floating lifting of tools in Z axis<br>- attachment of constant weights<br>e.g. power screwdrivers, punching tools, measuring fixtures, etc. |



SUBA-MAT Versions	Payload in kg	Stroke in mm	Stroke in m/s	Load moment in Nm
<b>SUBA-MAT SF Standard Spring balancer</b>				
SF 15/400	0 - 11	400	1,0	150
SF 15/800	0 - 12	800	1,0	150
SF 15/1500	0 - 13	1500	1,0	150
SF 30/400	0 - 22	400	1,0	300
SF 30/800	0 - 24	800	1,0	300
SF 30/1500	0 - 26	1500	1,0	300
SF 55/400	0 - 42	400	1,0	500
SF 55/800	0 - 43	800	1,0	500
SF 55/1500	0 - 44	1500	1,0	500
SF 85/400	0 - 70	400	1,0	800
SF 85/800	0 - 72	800	1,0	800
SF 85/1500	0 - 76	1500	1,0	800
<b>SUBA-MAT SF Special version</b>				
Special versions with client-specific particulars on request				

## SUBA-MAT Rope Balancer



ROLLYX  
X/Y Rail system  
with SUBA-MAT and  
DC screwing unit  
for crashbox



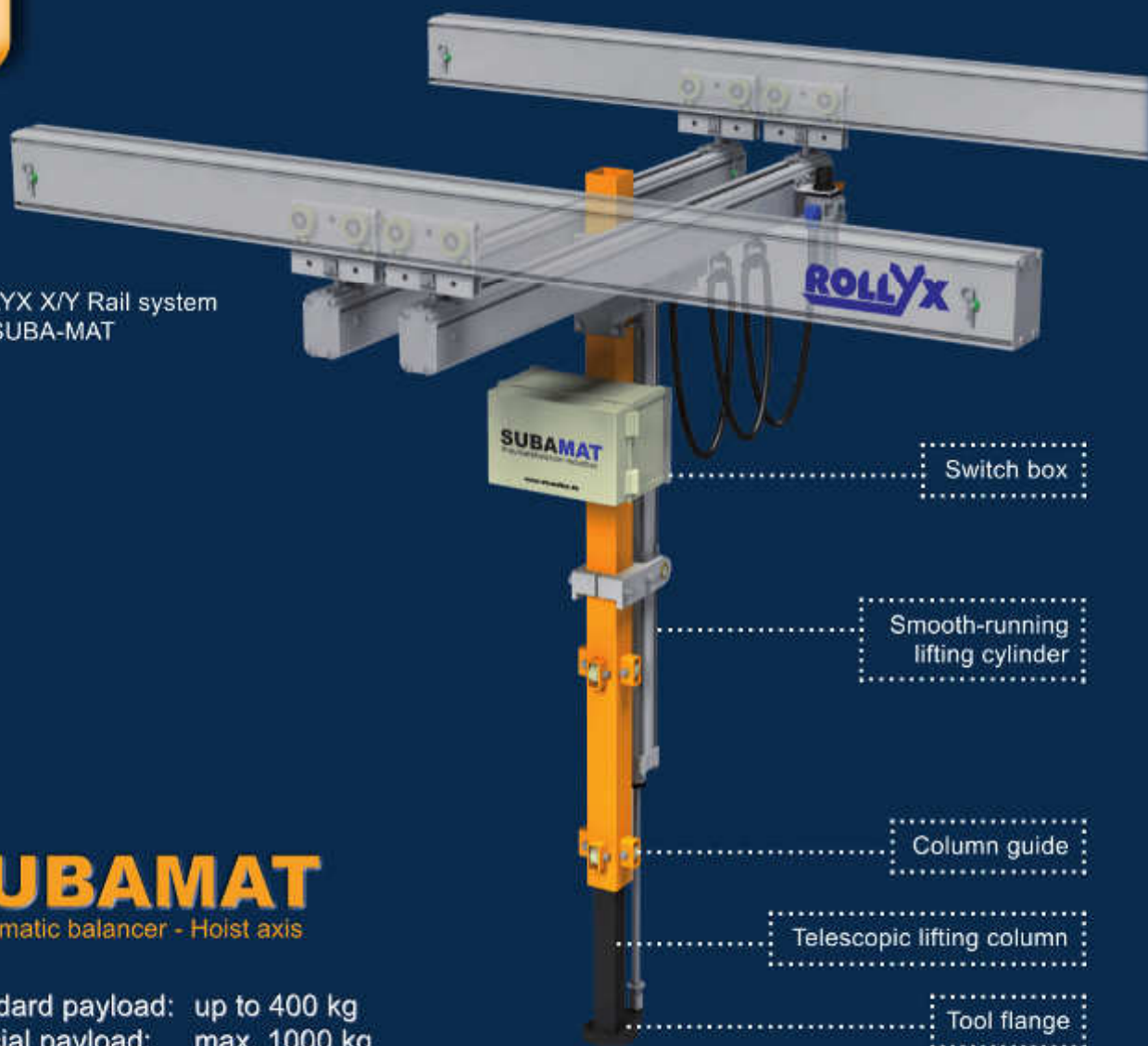
DC screwing unit  
for crashbox



## Standard version Hoist axis with pneumatic balancer

In comparison to other equipments this device serie is especially suitable for free-hanging, constant loads up to a weight of max. 1000 kg and was developed to move rigid and moment-stable tools.

ROLLYX X/Y Rail system  
with SUBA-MAT



Switch box

Smooth-running  
lifting cylinder

Column guide

Telescopic lifting column

Tool flange

## SUBAMAT

Pneumatic balancer - Hoist axis

Standard payload:	up to 400 kg
Special payload:	max. 1000 kg
Standard stroke:	up to 1500 mm
Special stroke:	on request
Lifting speed:	max. 0,8 m/s
Duty cycle:	100%
Torque loading:	moment stable
Control:	Pneumatic balance (floating) or up/down (steplessly) (adjusted to load weight to be balanced)
Ergonomics:	direct load movement and ergonomic handrail with balance function
Operating range:	rail movable in X/Y on double light crane runway
Application area:	- fast, floating lifting of tools in Z axis - attachment of constant weights e.g. power screwdrivers, punching tools, measuring fixtures, lettering equipments, etc.







# The Pneumatic Balancer

ZYBA-MAT is a telescopic manipulator with pneumatic drive. For floating lifting and transport of loads up to 350 kg this model line means a cost-efficient alternative to chain hoists, rope balancers and vacuum hose lifters. Compared to other devices you can work faster and more ergonomic with ZYBA-MAT and positioning is more precise.

**ZYBAMAT**  
Pneumatic Balancer

ROLLYX X/Y system  
with ZYBA-MAT incl.  
360° endless rotation

## Standard version pneumatical

In comparison to other swinging hoisting devices without moment stability this model line means a higher productive capacity due to quickness and operating comfort.

Standard payload:	up to 350 kg
Standard stroke:	up to 800 mm
Special stroke:	see chart
Lifting speed:	max. 1 m/s
Duty cycle:	100%
Torque loading:	low
Control:	Pneumatic balance (floating) or up/down (steplessly)
Ergonomics:	direct load movement and extended handrail
Operating range:	- movable on rail runway with 360° endless rotation around hoisting axis (even for swivel arms)
Column rotation range: (column-mounted only)	Type 1 (max 350° with fixed angle stop), Type 2 (max. 320° with adjustable angle stops) or Type 3 (360° endless rotation)
Application area:	- Transport of production parts with low moment support - fast, floating lifting in Z axis - easy travelling in X and Y axis, positioning, turning and swivelling of parts to be handled in the assembly, production and packing area





ZYBA-MAT Versions	Payload in kg	Stroke in mm	Stroke in m/s
<b>ZYBA-MAT ZP Standard pneumatically</b>			
ZP 40/400	0 - 40	400	1,0
ZP 40/600	0 - 40	600	1,0
ZP 40/800	0 - 40	800	1,0
ZP 60/400	0 - 60	400	1,0
ZP 60/600	0 - 60	600	1,0
ZP 60/800	0 - 60	800	1,0
ZP 120/400	0 - 120	400	0,8
ZP 120/600	0 - 120	600	0,8
ZP 120/800	0 - 120	800	0,8
ZP 200/400	0 - 200	400	0,6
ZP 200/600	0 - 200	600	0,6
ZP 200/800	0 - 200	800	0,6
ZP 350/400	0 - 350	400	0,5
ZP 350/600	0 - 350	600	0,5
ZP 350/800	0 - 350	800	0,5
<b>ZYBA-MAT ZP Special version</b>			
ZP 40/1000	0 - 40	1000	1,0
ZP 40/1200	0 - 40	1200	1,0
ZP 60/1000	0 - 60	1000	1,0
ZP 60/1200	0 - 60	1200	1,0
ZP 120/1000	0 - 120	1000	0,8
ZP 120/1200	0 - 120	1200	0,8
ZP 200/1000	0 - 200	1000	0,6
ZP 200/1200	0 - 200	1200	0,6
ZP 350/1000	0 - 350	1000	0,5
ZP 350/1200	0 - 350	1200	0,5
<b>Special stroke up to max. 1600 mm</b>			
<b>Special versions with client-specific particulars on request</b>			



Vacuum crossbeam with extended handrail for cardboard boxes

**ZYBA-MAT**  
pneumatic



Application example  
Light crane facility:  
Articulated hinged cantilever with 360° endless rotation and ZYBA-MAT incl. 360° endless rotation



Application example  
Light crane facility:  
Hinged cantilever with 360° endless rotation and ZYBA-MAT incl. 360° endless rotation  
More precise particulars can be taken from the catalogue "ROLLYX-Schwenkausleger"

Vacuum crossbeam for cardboard boxes



## The Swivel Arm Balancer

YXO-MAT is particularly smooth-running and ergonomic in operation. It stands for fast working, especially energy-saving and low noise. Weights up to 300 kg for flexible handling tasks are lifted and moved on ROLLYX smooth-running rail systems or hinged cantilevers.



### Standard version pneumatical

In comparison to other devices this model line is particularly suitable for free-hanging, variable loads up to 300 kg and was specifically developed to shorten work cycle times.

Standard payload:	up to 300 kg
Special payload:	on request
Standard stroke:	up to 1000 mm
Special stroke:	on request
Lifting speed:	max. 1 m/s
Duty cycle:	100%
Torque loading:	low
Control:	Pneumatic balance (floating) or up/down (steplessly)
Ergonomics:	direct load movement and extended handrail
Operating range:	movable on rail runway or swivel arm
Column rotation range:	Type 1 (max 350° with fixed angle stop), Type 2 (max. 320° with adjustable angle stops) or Type 3 (360° endless rotation)
(column-mounted only)	
Application area:	- Transport of production parts with low moment support - fast, floating lifting in Z axis - easy travelling in X and Y axis, positioning, turning and swivelling of parts to be handled in the assembly, production and packing area.





YXO-MAT Versions	Payload in kg	Stroke in mm	Stroke in m/s
<b>YXO-MAT XP Standard pneumatically</b>			
XP 40/400	0 - 40	400	1,0
XP 40/600	0 - 40	600	1,0
XP 40/1000	0 - 40	1000	1,0
XP 80/400	0 - 80	400	0,8
XP 80/600	0 - 80	600	0,8
XP 80/1000	0 - 80	1000	0,8
XP 160/400	0 - 160	400	0,8
XP 160/600	0 - 160	600	0,8
XP 160/1000	0 - 160	1000	0,8
XP 300/400	0 - 300	400	0,6
XP 300/600	0 - 300	600	0,6
XP 300/1000	0 - 300	1000	0,6
<b>YXO-MAT XP Special version</b>			
Special versions with client-specific particulars on request			



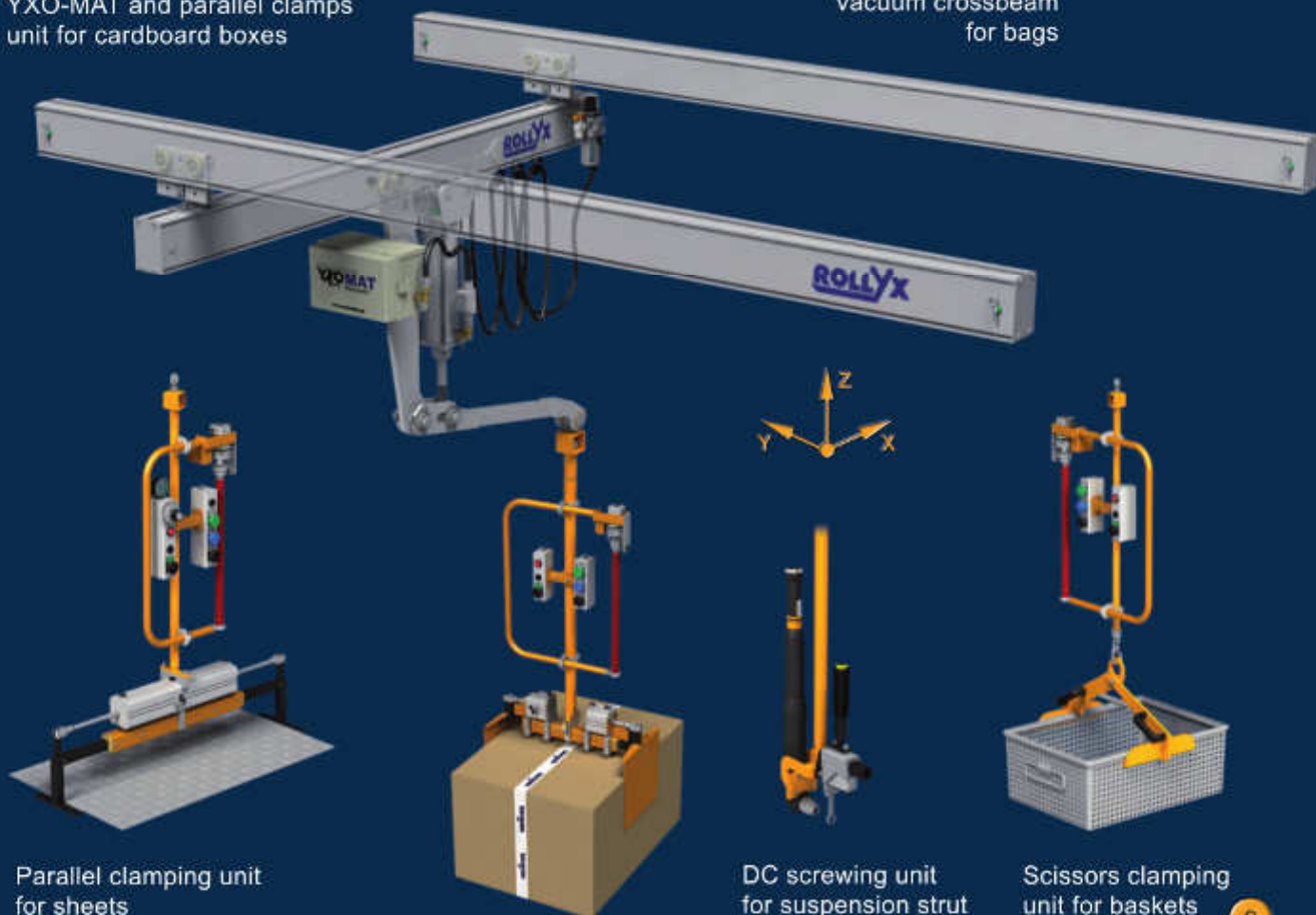
Fork parallel clamps unit for transport boxes



Vacuum crossbeam for bags



ROLLYX X/Y-Rail system with YXO-MAT and parallel clamps unit for cardboard boxes



Parallel clamping unit for sheets

DC screwing unit for suspension strut

Scissors clamping unit for baskets

**YXO-MAT**  
pneumatic

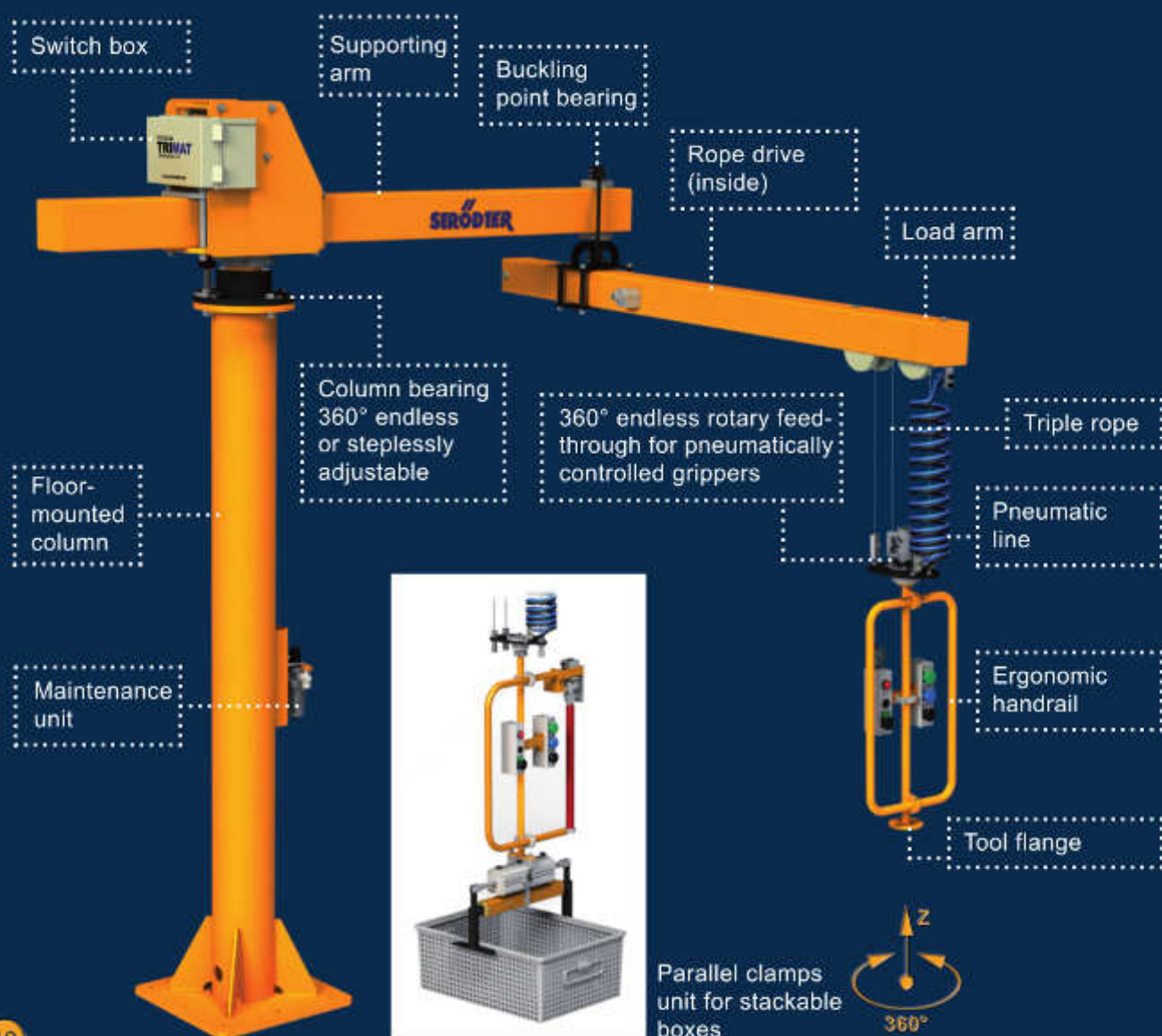
# The Articulated-Arm Rope Balancer

The articulated-arm rope balancer TRI-MAT is a hand-operated triplicate rope manipulator with pneumatic balance control. You can lift, turn, swivel or transport loads up to 100 kg. For an easy and stepless handling the loads are pneumatically brought into a state of suspension (balance). This special triple rope system means stability against twisting of ropes, which is a considerable advantage if compared with common single-rope devices and single strand chain hoists.

## Standard version pneumatical



In comparison to other devices this model line is particularly suitable for the small load sector and was developed for use in low rooms. It stands for a special large work area, flexible handling and is ideal for handling of panels, glass panels, cardboards, bags, boxes and much more.





TRI-MAT Versions	Payload in kg	Stroke in mm	Stroke in m/s	Working radius in mm	Load moment in Nm
<b>TRI-MAT TR Standard pneumatically</b>					
TR 50/500	0 - 50	500	0,7	1800 - 2400	20
TR 50/800	0 - 50	800	0,7	2200 - 3000	20
TR 50/1000	0 - 50	1000	0,7	2600 - 3300	20
TR 50/1500	0 - 50	1500	0,7	3300 - 4000	20
TR 80/500	0 - 80	500	0,7	1800 - 2400	20
TR 80/800	0 - 80	800	0,7	2200 - 3000	20
TR 80/1000	0 - 80	1000	0,7	2600 - 3300	20
TR 80/1500	0 - 80	1500	0,7	3300 - 4000	20
TR 100/500	0 - 100	500	0,7	1800 - 2400	20
TR 100/800	0 - 100	800	0,7	2200 - 3000	20
TR 100/1000	0 - 100	1000	0,7	2600 - 3300	20
TR 100/1500	0 - 100	1500	0,7	3300 - 4000	20
<b>TRI-MAT TR Special version</b>					
Special stroke up to max. 2000 mm, special working radius up to max. 6000 mm					
Special versions with client-specific particulars on request					

**TRI-MAT**  
pneumatic



- Standard payload: up to 100 kg  
 Working radius: up to 4000 mm (special up to 6000 mm)  
 Standard stroke: up to 1500 mm (special up to 2000 mm)  
 Lifting speed: max. 0,7 m/s  
 Duty cycle: 100%  
 Torque loading: none  
 Control: Pneumatic balance (floating)  
 or up/down (steplessly)  
 Ergonomics: direct load movement and extended handrail  
 Operating range: floor-mounted or suspended column  
 or rail-guided by crane trolley  
 Rotation range: Type 1 (max 350° with fixed angle stop),  
 Type 2 (max. 320° with adjustable angle stops) or  
 Type 3 (360° endless rotation)  
 Application area: - Transport of production parts with low moment support  
 - fast, floating lifting in Z axis  
 - easy travelling, positioning, turning and swivelling  
 of parts to be handled in the assembly, production  
 and packing area.



Vacuum crossbeam for cardboard boxes



# The Rope Balancer



The rope balancer PICO-MAT is a hand-operated double rope manipulator with pneumatic balance control. You can lift, turn, swivel or transport loads up to 120 kg. For an easy and stepless handling the loads are pneumatically brought into a state of suspension (balance). This double rope system means stability against twisting of ropes, which is a considerable advantage if compared with common single rope devices and single strand chain hoists.

## Standard version pneumatical

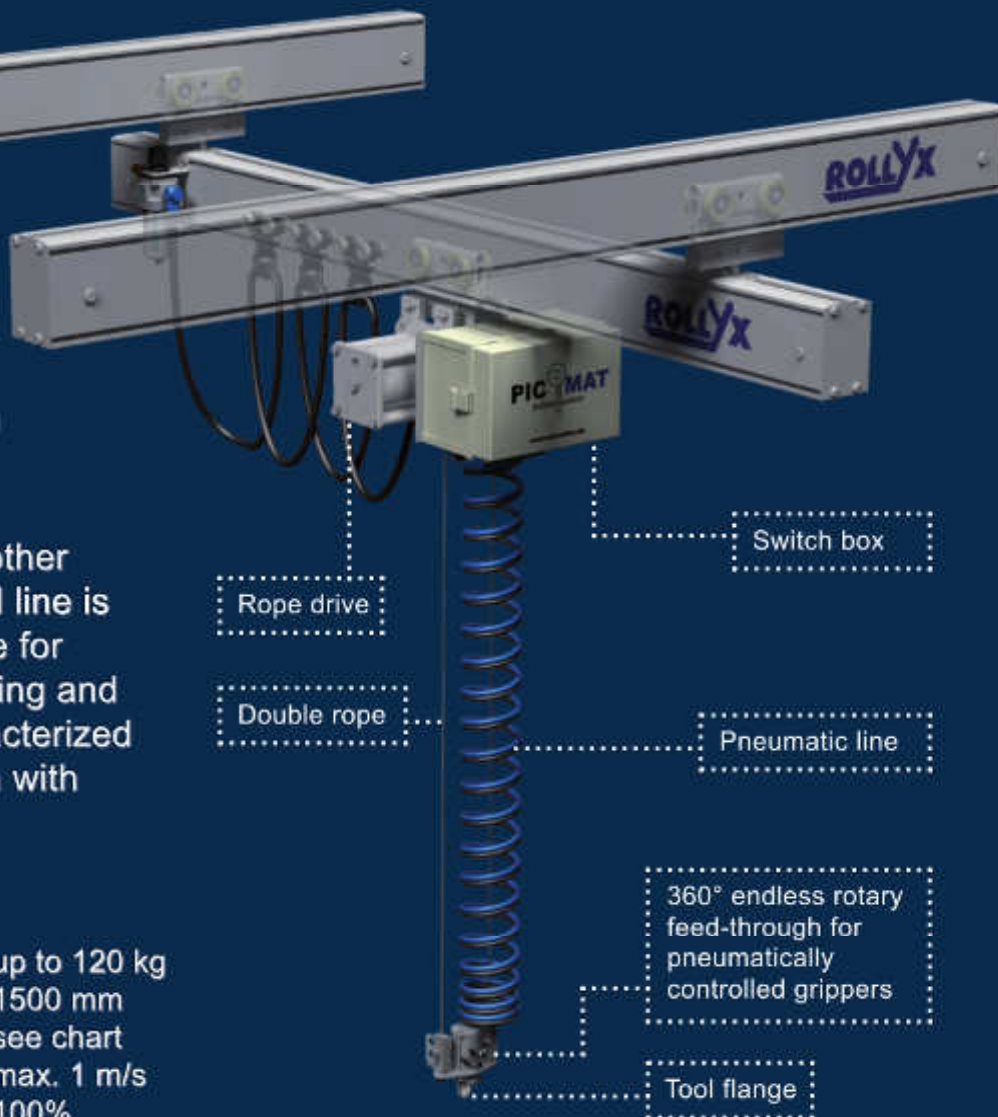
In comparison to other devices this model line is particularly suitable for fast, flexible handling and is especially characterized by its small design with low deadweight.

Standard payload: up to 120 kg  
Standard stroke: 1500 mm  
Special stroke: see chart  
Lifting speed: max. 1 m/s  
Duty cycle: 100%  
Torque loading: none

Control: Pneumatic balance (floating) or up/down (steplessly)  
Ergonomics: direct load movement and extended handrail  
Operating range: rail-guided on runway, swivel arm or articulated-arm  
Rotation range: Type 1 (max 350° with fixed angle stop),  
Type 2 (max. 320° with adjustable angle stops) or  
Type 3 (360° endless rotation)

Application area:

- Transport of production parts without moment support
- fast, floating lifting in Z axis
- easy travelling in X and Y axis, positioning, turning and swivelling of parts to be handled in assembly, production and packing area.





PICO-MAT Versions	Payload in kg	Stroke in mm	Stroke in m/s
<b>PICO-MAT ET Standard pneumatically</b>			
ET 20/1500	0 - 20	1500	1,0
ET 40/1500	0 - 40	1500	0,8
ET 60/1500	0 - 60	1500	0,8
ET 80/1500	0 - 80	1500	0,6
ET 120/1500	0 - 120	1500	0,6
<b>PICO-MAT ET Special version</b>			
Special stroke 1800 and 2000 mm			
Special versions with client-specific particulars on request			

**Remarks:**

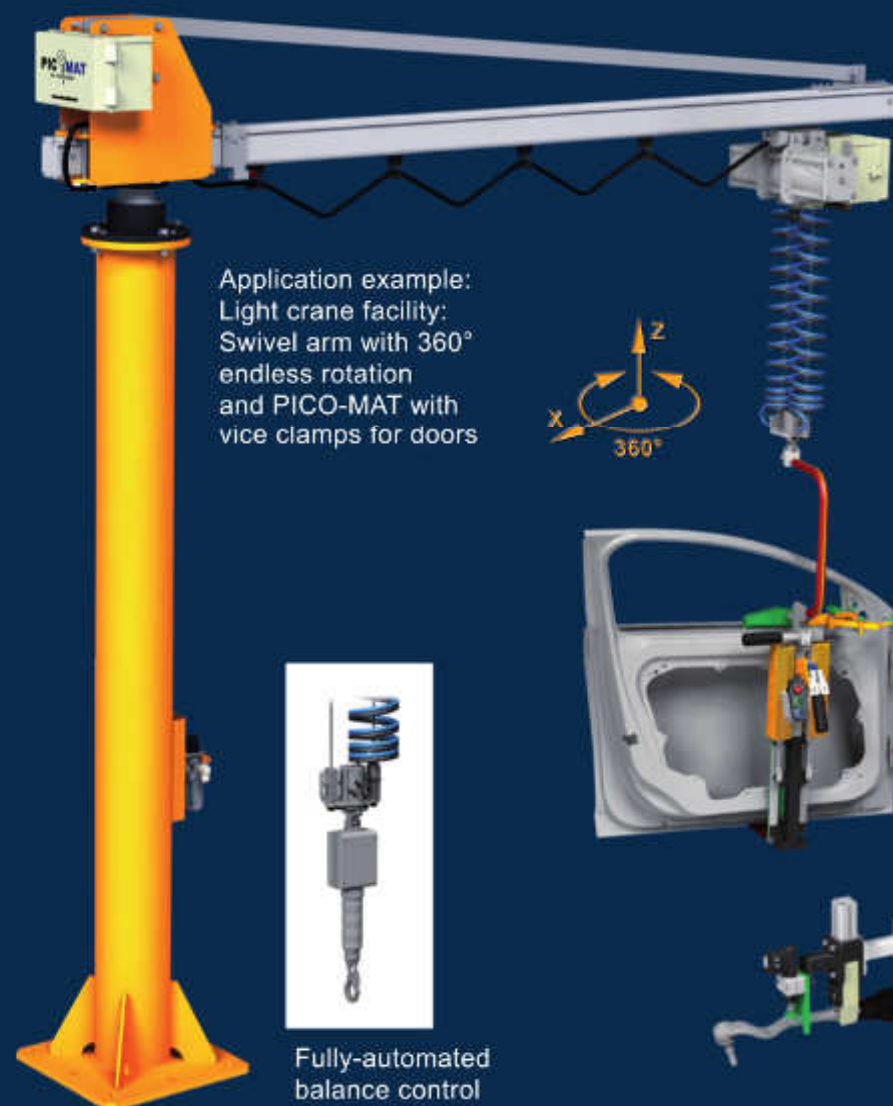
When operated on swivel arm a working radius of max. 6000 mm is possible. More precise particulars can be taken from the catalogue ROLLYX-Schwenk-ausleger. Please have a look at the PICO-MAT brochure as well!



Vice clamping unit for front axle halves



Parallel clamping unit for cardboard boxes



Application example:  
Light crane facility:  
Swivel arm with 360°  
endless rotation  
and PICO-MAT with  
vice clamps for doors



Fully-automated balance control



Hook-type crossbeam for jerry cans



Scissors clamping unit for steering gear

**PICO-MAT**  
pneumatic

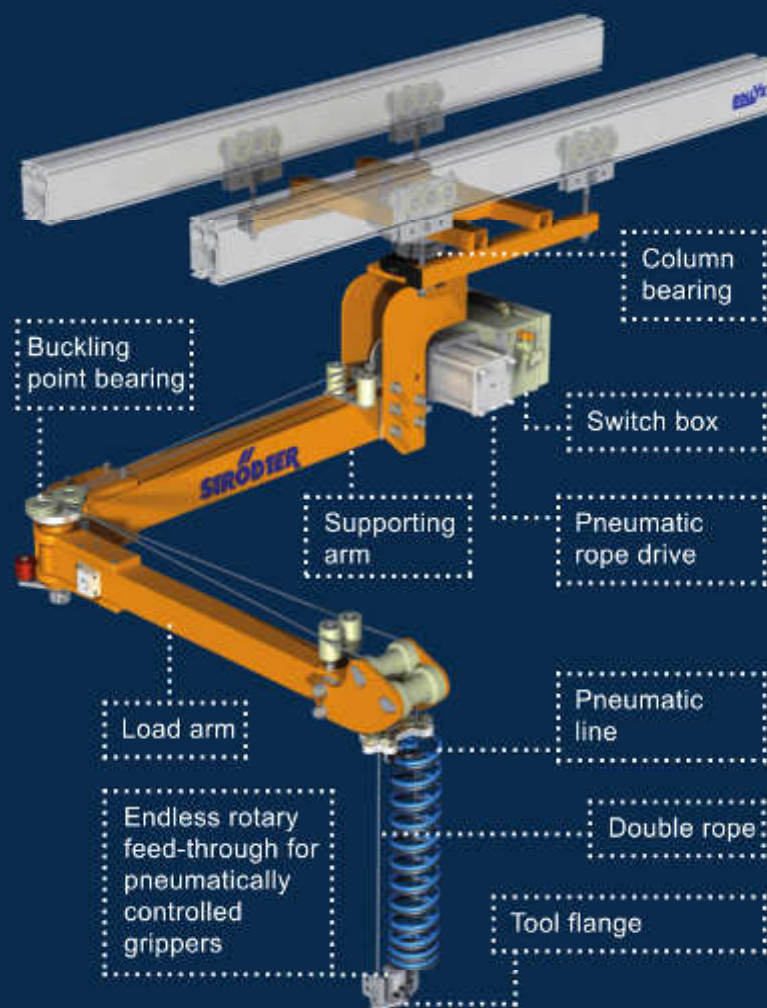


# The Articulated-Arm Rope Balancer

The articulated-arm rope device PICO-MAT is a hand-operated double rope manipulator with pneumatic balance control. You can lift, turn, swivel or transport loads up to 110 kg. For an easy and stepless handling the loads are pneumatically brought into a state of suspension (balance). This special double rope system means stability against twisting of ropes, and this is a considerable advantage in comparison to common single rope devices and single strand chain hoists.

## Standard version pneumatical

The articulated arm renders an easy bypass of interfering edges without collision and moving towards working and parking positions possible with minimum space requirements.



Standard payload:	0 – 110 kg
Standard stroke:	1500 mm
Special stroke:	see chart
Lifting speed:	max. 1 m/s
Working radius:	800 – 3000 mm
Duty cycle:	100%
Torque loading:	none
Control:	Pneumatic balance (floating) or up/down (steplessly)
Ergonomics:	direct load movement and extended handrail
Operating range:	rail-guided on crane trolley or on floor-mounted resp. suspended column
Rotation range:	Type 1 (max 350° with fixed angle stop), Type 2 (max. 320° with adjustable angle stops) or Type 3 (360° endless rotation)
Application area:	- Transport of production parts without moment support - fast, floating lifting in Z axis - easy travelling, positioning, turning and swivelling of parts to be handled in the assembly, production and packing area





PICO-MAT Versions	Payload in kg	Stroke in mm	Stroke in m/s	Working radius in mm
<b>PICO-MAT ETK Standard pneumatically</b>				
ETK 30/1500	0 - 30	1500	1,0	1800
ETK 30/1500	0 - 30	1500	1,0	2200
ETK 30/1500	0 - 30	1500	1,0	3000
ETK 50/1500	0 - 50	1500	1,0	1800
ETK 50/1500	0 - 50	1500	1,0	2200
ETK 50/1500	0 - 50	1500	1,0	3000
ETK 70/1500	0 - 70	1500	1,0	1800
ETK 70/1500	0 - 70	1500	1,0	2200
ETK 70/1500	0 - 70	1500	1,0	3000
ETK 110/1500	0 - 110	1500	1,0	1800
ETK 110/1500	0 - 110	1500	1,0	2200
ETK 110/1500	0 - 110	1500	1,0	3000
<b>PICO-MAT ETK Special version</b>				
Special stroke 1800 and 2000 mm				
Special versions with client-specific particulars on request				

**PICO-MAT**  
pneumatic



Please have a look at the PICO-MAT brochure as well!



PICO-MAT  
Articulated-arm rope balancer on  
suspended column



PICO-MAT  
Articulated-arm  
rope balancer on  
floor-mounted  
column

**PICO-MAT**  
Rope Manipulator

# The Telescopic Hoist Axes

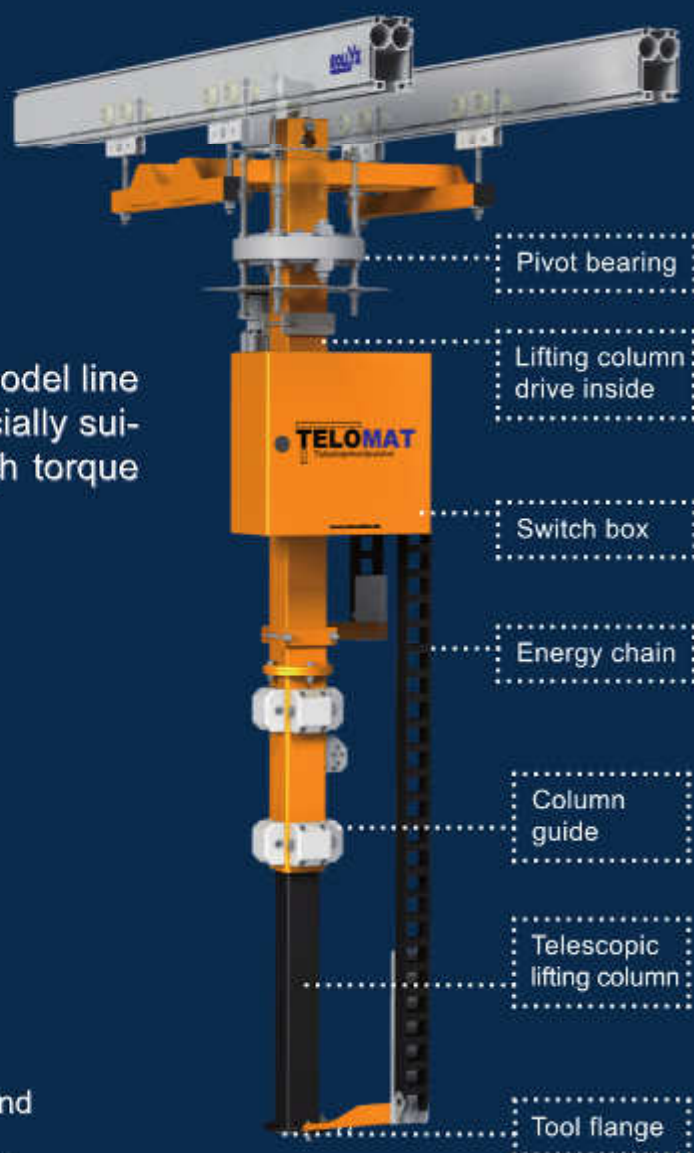
The TELO-MAT is a telescopic manipulator with ball bearing mounted, moment-stable guidance. For flexible and sensitive handling, loads are lifted floatingly and by means of the hoist axis they are moved on a smooth-running rail system. With TELO-MAT you can lift, rotate, swivel and transport loads non-swinging. Depending on field of application the hoist axis is equipped with a pneumatic, hydraulic or electrical drive. In combination with the ROLLYX Rail System TELO-MAT is used for spacious areas of work.



## Standard version pneumatical

In comparison to other devices this model line for floating handling of loads is especially suitable for large-area rail systems, high torque loadings and strokes.

- |                   |  |
|-------------------|--|
| Standard payload: | up to 240 kg   |
| Special payload:  | see chart  |
| Standard stroke:  | up to 1500 mm  |
| Special stroke:   | max. 2000 mm   |
| Lifting speed:    | max. 0,8 m/s   |
| Duty cycle:       | 100%   |
| Torque loading:   | moment-rigid   |
| Control:          | Pneumatic balance<br>(floating) or<br>up/down (steplessly)   |
| Ergonomics:       | direct load movement and<br>extended handrail  |
| Operating range:  | rail-guided on crane trolley   |
| Rotation range:   | Rotation around hoist axis,<br>steplessly adjustable angle stops<br>up to 320° or 360° endless rotation  |
| Application area: | - Transport of components with high torque loading<br>fast, floating lifting in Z-axis<br>- easily movable in X- and Y<br>axis, positioning, rotating and swivelling of parts to be<br>handled in the assembly, production and packing area. |





TELO-MAT Versions	Payload in kg	Serie	Stroke in mm	Stroke in m/s	Load moment in Nm
<b>TELO-MAT FP Standard pneumatically</b>					
FP 70/800	0 - 70	70	800	0,8	450
FP 70/1000	0 - 70	70	1000	0,8	450
FP 70/1500	0 - 70	70	1500	0,8	450
FP 120/800	0 - 120	120	800	0,6	600
FP 120/1000	0 - 120	120	1000	0,6	600
FP 120/1500	0 - 120	120	1500	0,6	600
FP 200/800	0 - 200	200	800	0,5	1200
FP 200/1000	0 - 200	200	1000	0,5	1200
FP 200/1500	0 - 200	200	1500	0,5	1200
FP 240/800	0 - 240	120	800	0,4	2000
FP 240/1000	0 - 240	120	1000	0,4	2000
FP 240/1500	0 - 240	120	1500	0,4	2000
<b>TELO-MAT FP Special version</b>					
FP 360/800	0 - 360	120	800	0,4	2000
FP 360/1000	0 - 360	120	1000	0,4	2000
FP 360/1500	0 - 360	120	1500	0,4	2000
FP 400/800	0 - 400	200	800	0,4	2000
FP 400/1000	0 - 400	200	1000	0,4	2000
FP 400/1500	0 - 400	200	1500	0,4	2000
FP 600/800	0 - 600	200	800	0,3	2000
FP 600/1000	0 - 600	200	1000	0,3	2000
FP 600/1500	0 - 600	200	1500	0,3	2000
Special stroke up to 2000 mm on request					
Special versions with client-specific particulars on request					

**TELO-MAT**  
pneumatic



Please have a look at the TELO-MAT brochure as well!



Scissors gripper  
for front axle halves



Vacuum crossbeam  
for gas bottles

## TELOMAT

Telescopic Manipulator

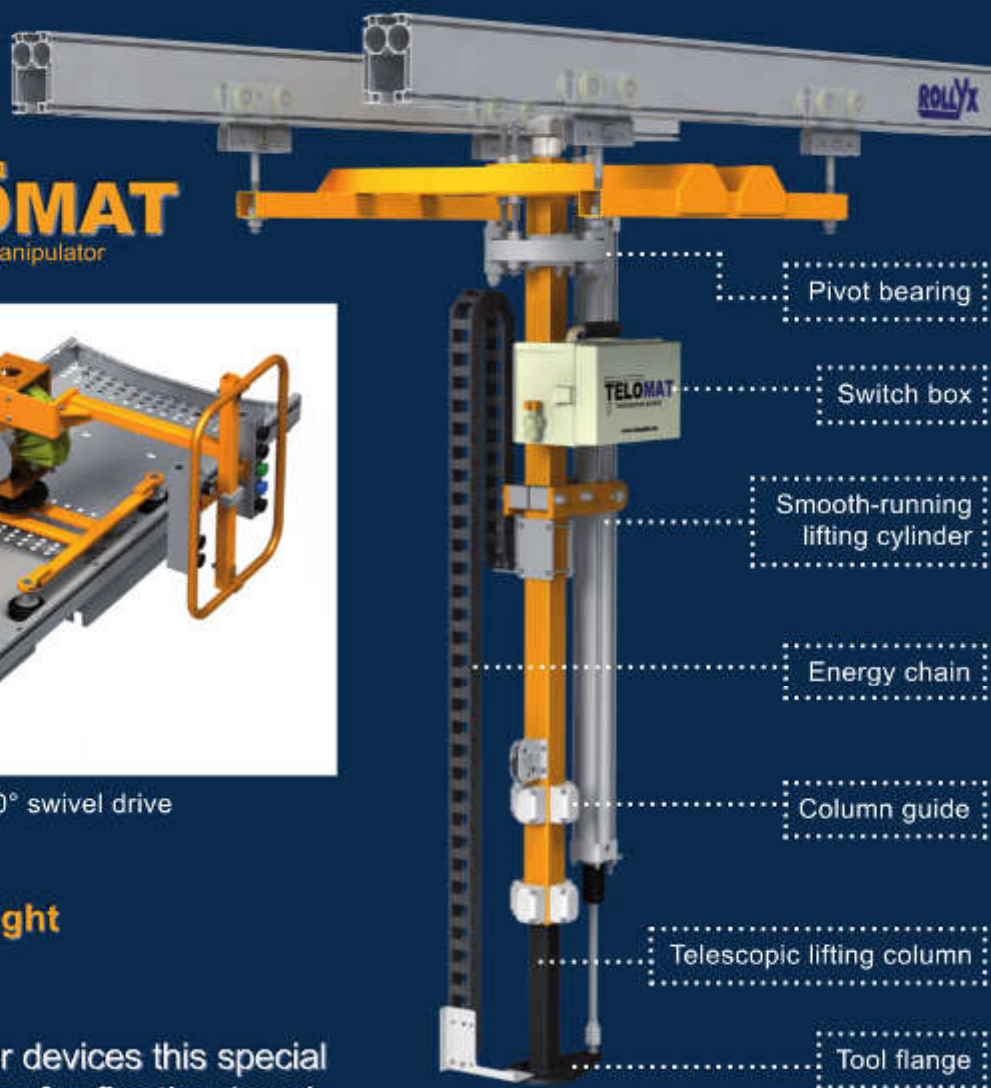


Vacuum crossbeam with 90° swivel drive for metal trays

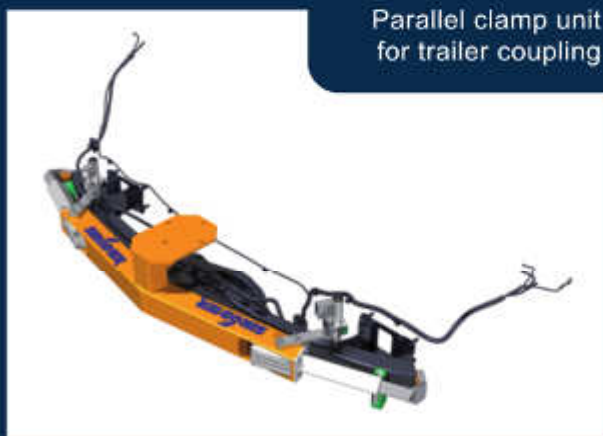
### Standard version light pneumatical

In comparison to other devices this special lightweight model line for floating handling of material is especially suitable for use with large-surface rail systems, lower moment loads and strokes up to max. 1200 mm.

- |                   |   |
|-------------------|---|
| Standard payload: | up to 120 kg  |
| Standard stroke:  | up to 1000 mm   |
| Special stroke:   | max. 1200 mm  |
| Lifting speed:    | max. 1 m/s  |
| Duty cycle:       | 100%  |
| Torque loading:   | moment-rigid  |
| Control:          | Pneumatic balance (floating) or up/down (steplessly)  |
| Ergonomics:       | direct load movement and extended handrail  |
| Operating range:  | rail-guided on crane trolley  |
| Rotation range:   | Rotation around hoist axis, steplessly adjustable angle stops up to 320° or 360° endless rotation   |
| Application area: | <ul style="list-style-type: none"> <li>- Transport of components with torque loading</li> <li>- fast, floating lifting in Z-axis</li> <li>- easily movable in X- and Y axis, positioning, rotating and swivelling of parts to be handled in the assembly, production and packing area.</li> </ul> |



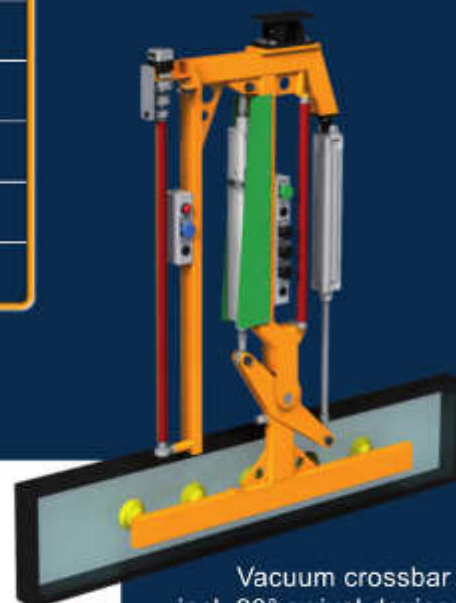
Parallel clamp unit for trailer coupling





TELO-MAT Versions	Payload in kg	Stroke in mm	Stroke in m/s	Load moment in Nm
<b>TELO-MAT light FP-L Standard pneumatically</b>				
FP-L 50/600	0 - 50	600	1,0	150
FP-L 50/800	0 - 50	800	1,0	150
FP-L 50/1000	0 - 50	1000	1,0	150
FP-L 70/600	0 - 70	600	0,8	150
FP-L 70/800	0 - 70	800	0,8	150
FP-L 70/1000	0 - 70	1000	0,8	150
FP-L 120/600	0 - 120	600	0,6	150
FP-L 120/800	0 - 120	800	0,6	150
FP-L 120/1000	0 - 120	1000	0,6	150
<b>TELO-MAT light FP-L Special version</b>				
FP-L 50/1200	0 - 50	1200	0,8	100
FP-L 70/1200	0 - 70	1200	0,8	100
FP-L 120/1200	0 - 120	1200	0,6	100
Special versions with client-specific particulars on request				

**TELO-MAT**  
pneumatic



Vacuum crossbar  
incl. 90° swivel device  
for glass panels



Scissors  
clamping  
unit for  
office chairs

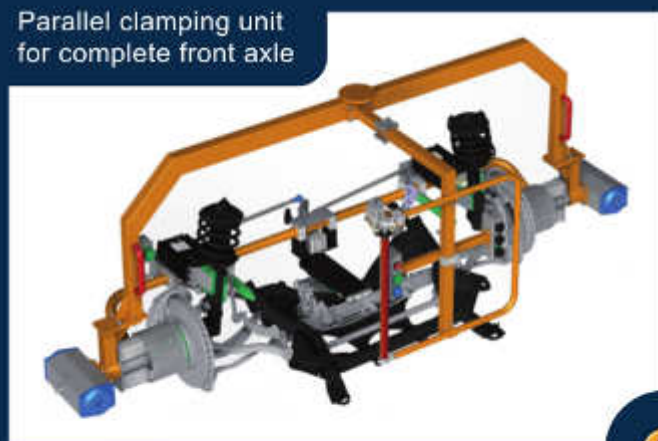


Parallel clamping  
unit with manual  
rotating device  
for oil separators



Vice clamping unit  
for back seat rests

Parallel clamping unit  
for complete front axle



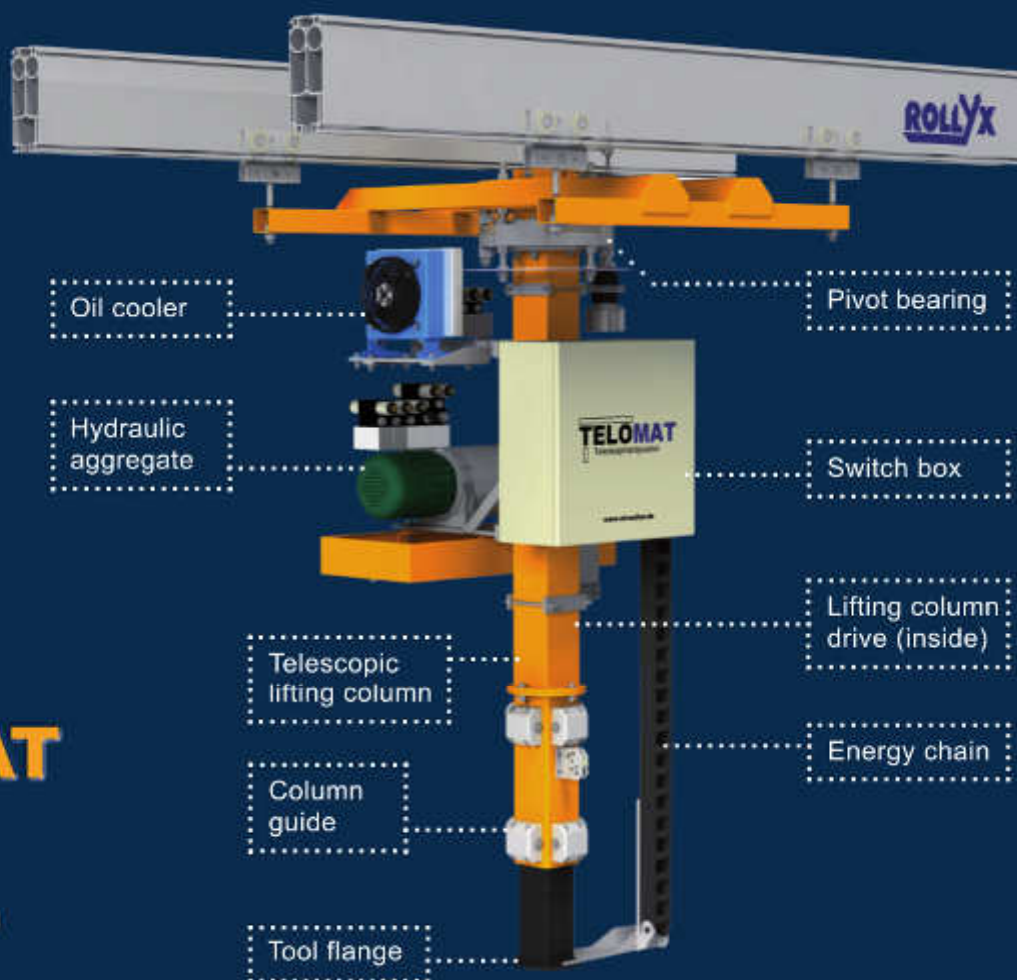
## TELOMAT

Telescopic Manipulator

### Standard version hydraulical

Compared to other devices this model line for movable material handling is particularly suitable for applications on rail systems with heavy load weights, high torque loadings and big strokes.

- Standard payload: up to 800 kg
- Standard stroke: up to 1500 mm
- Special stroke: max. 2000 mm
- Lifting speed: max. 300 mm/s
- Duty cycle: 100%
- Torque loading: moment-rigid
- Control: Twist-grip up/down (stepless)
- Ergonomics: direct load movement and extended handrail
- Operating range: rail-guided on crane trolley
- Rotation range: Rotation around hoist axis, steplessly adjustable angle stops up to 320° or 360° endless rotation
- Application area:
  - Transport of components with high torque loading
  - stepless lifting in Z-axis
  - easily movable in X- and Y-axis, positioning, rotating and swivelling of parts to be handled in the assembly, production and packing area.



Scissors-type clamp unit incl. pivot bearing for barrels



TELO-MAT Versions	Payload in kg	Serie	Stroke in mm	Stroke in m/s	Load moment in Nm
<b>TELO-MAT FH Standard hydraulical</b>					
FH 120/800	20 - 120	120	800	0,30	600
FH 120/1000	20 - 120	120	1000	0,30	600
FH 120/1500	20 - 120	120	1500	0,30	600
FH 200/800	20 - 200	200	800	0,25	1200
FH 200/1000	20 - 200	200	1000	0,25	1200
FH 200/1500	20 - 200	200	1500	0,25	1200
FH 250/800	20 - 250	120	800	0,25	2000
FH 250/1000	20 - 250	120	1000	0,25	2000
FH 250/1500	20 - 250	120	1500	0,25	2000
FH 500/800	20 - 500	120	800	0,20	2000
FH 500/1000	20 - 500	120	1000	0,20	2000
FH 500/1500	20 - 500	120	1500	0,20	2000
FH 500/800	20 - 500	200	800	0,20	2000
FH 500/1000	20 - 500	200	1000	0,20	2000
FH 500/1500	20 - 500	200	1500	0,20	2000
FH 800/800	20 - 800	200	800	0,20	2000
FH 800/1000	20 - 800	200	1000	0,20	2000
FH 800/1500	20 - 800	200	1500	0,20	2000
<b>TELO-MAT FH Special version</b>					
Special stroke up to 2000 mm on request					
Special versions with client-specific particulars on request					

**TELO-MAT**  
hydraulic



hydraulic



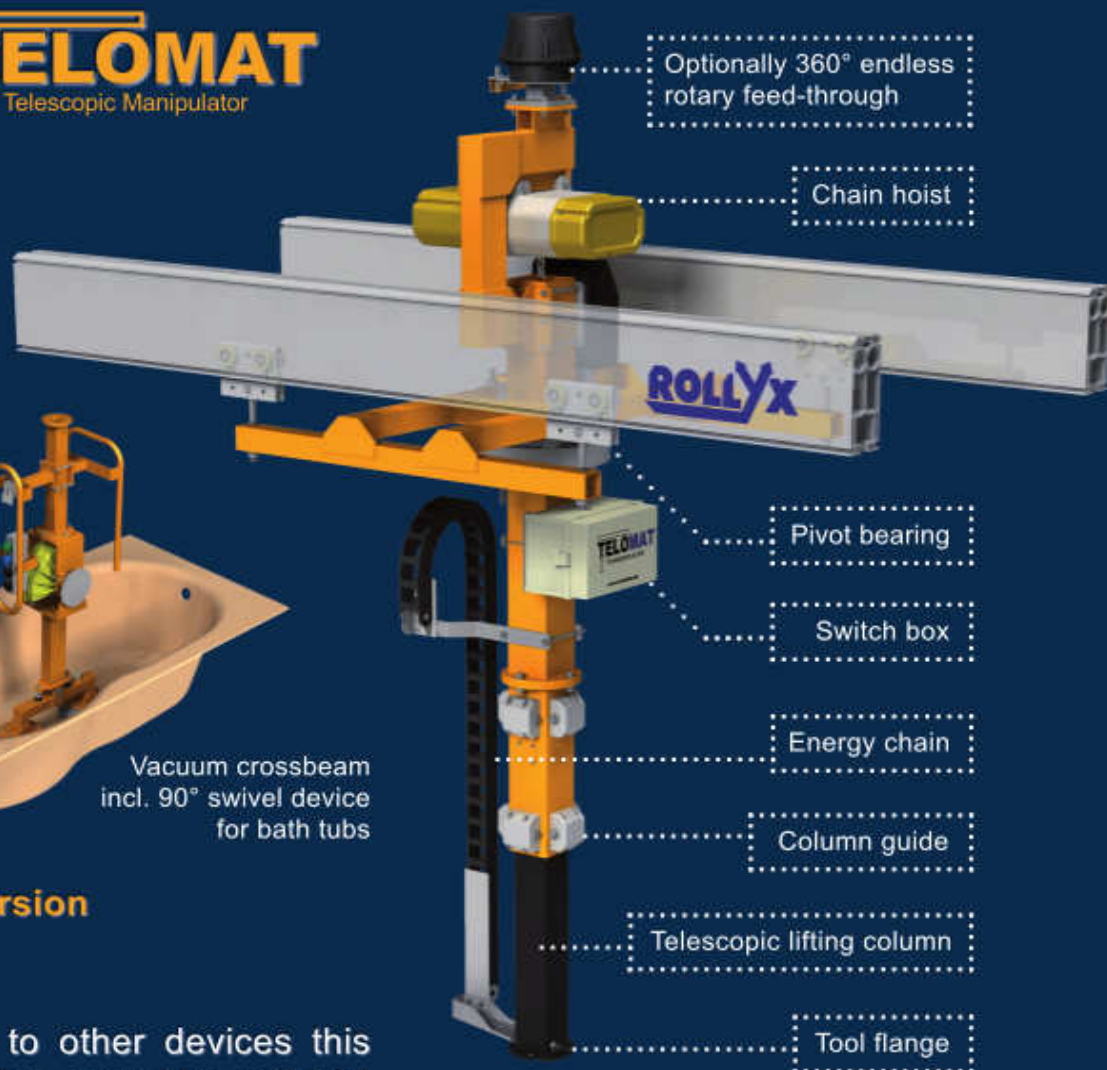


Vacuum crossbeam  
incl. 90° swivel device  
for bath tubs

### Standard version electrical

If compared to other devices this model line for movable material handling is particularly suited for non-swaying lifting of heavy loads up to 1500 kg, high torque loading and strokes.

- |                   |   |
|-------------------|---|
| Standard payload: | up to 1000 kg   |
| Special payload:  | max. 1500 kg  |
| Standard stroke:  | up to 1500 mm   |
| Special stroke:   | max. 2000 mm  |
| Lifting speed:    | 18/4,5 m/min  |
| Duty cycle:       | 60%   |
| Torque loading:   | <b>moment-rigid</b>   |
| Control:          | 2-stage or stepless   |
| Ergonomics:       | direct load movement and extended handrail  |
| Operating range:  | rail-guided on crane trolley  |
| Rotation range:   | Rotation around hoist axis, steplessly adjustable angle stops up to 320° or 360°<br>endless rotation  |
| Application area: | <ul style="list-style-type: none"> <li>- Transport of parts with high torque loading</li> <li>- 1-stage, 2-stage or stepless lifting in Z axis</li> <li>- easily movable in X and Y axis, positioning, rotating and swivelling of parts to be handled in the assembly, production and packing area</li> </ul> |



Gripping  
crossbeam for  
steering gear



TELO-MAT versions	Payload in kg	Serie	Stroke in mm	Stroke in m/min	Load moment in Nm
<b>TELO-MAT FE Standard electrically</b>					
FE 120/120	20 - 120	120	1500	18/4,5	600
FE 120/200	20 - 120	200	1500	5	1200
FE 250/120	20 - 250	120	1500	18/4,5	600
FE 500/200	20 - 500	200	1500	5	1200
FE 800/200	20 - 800	200	1500	5	1200
FE 1000/200	20 - 1000	200	1500	5/1,25	1200
<b>TELO-MAT FE Special version</b>					
Special payload up to 1500 kg, special stroke up to 2000 mm on request					
Special versions with client-specific particulars on request					

**TELO-MAT**  
electric



Clamping mandrel  
for knife rotors



Scissors clamping unit with  
90° swivel device for  
crankshafts and camshafts



Gripping crossbeam for  
automobile side parts

electric

# The Articulated-Arm Manipulators

VIGO-MAT is a hand-operated articulated-arm manipulator with weight counterbalance, available in pneumatic or hydraulic version. It is designed as floor-mounted or suspended device. For an easy and stepless handling, loads are set into a floating state. The articulated-arm principle allows a non-swaying, precise and easy handling. The load handling device may protrude and thus allows reaching overbuilt rooms. VIGO-MAT is weight-optimized and hence requires minimum force for operation. Due to ergonomic control elements load-free working is permitted.

## Standard version pneumatical

When comparing this model line with other devices, it is particularly suited for individual workplaces with floating material handling.



Standard payload:	up to 150 kg
Special payload:	max. 500 kg
Standard stroke:	up to 1500 mm
Special stroke:	max. 1800 mm
Lifting speed:	max. 1 m/s
Working radius:	800 – 3000 mm
Duty cycle:	100%
Torque loading:	moment-rigid
Control:	Pneumatic balance (floating) or up/down (stepless)
Ergonomics:	direct load movement and extended handrail
Operating range:	on floor-mounted or suspended column or rail-guided on crane trolley
Rotation range:	Type 1 (max. 350° with fixed angle stops) Type 2 (max. 320° with adjustable angle stops) or Type 3 (360° endless rotation)
Application area:	<ul style="list-style-type: none"> <li>- Transport of parts with high moment support</li> <li>- stepless lifting in Z axis</li> <li>- easy travelling, positioning, rotating and swivelling of parts to be handled in the assembly, production and packing area</li> </ul>



VIGO-MAT versions	Payload in kg	Stroke in mm	Stroke in m/s	Working radius in mm	Load moment in Nm
<b>VIGO-MAT VP Standard pneumatically</b>					
VP 50/400	0 - 50	400	1,0	800	250
VP 50/900	0 - 50	900	1,0	1800	250
VP 50/1300	0 - 50	1300	1,0	2400	250
VP 100/900	0 - 100	900	0,8	1800	500
VP 100/1300	0 - 100	1300	0,8	2400	500
VP 100/1600	0 - 100	1500	0,8	3000	500
VP 150/900	0 - 150	900	0,8	1800	750
VP 150/1300	0 - 150	1300	0,8	2400	750
VP 150/1600	0 - 150	1500	0,8	3000	750
<b>VIGO-MAT VP Special version</b>					
VP 200/900	0 - 200	900	0,8	1800	1000
VP 200/1300	0 - 200	1300	0,8	2400	1000
VP 200/1600	0 - 200	1500	0,8	3000	1000
VP 500/900	0 - 500	900	0,6	1800	1500
Special stroke up to 1800 mm on request					
Special versions with client-specific particulars on request					

**VIGO-MAT**  
pneumatic



Please have a look at the VIGO-MAT brochure as well!

**VIGOMAT**  
Articulated Arm Manipulator



VIGO-MAT  
on floor-mounted column  
with counterweight



VIGO-MAT  
on crane trolley



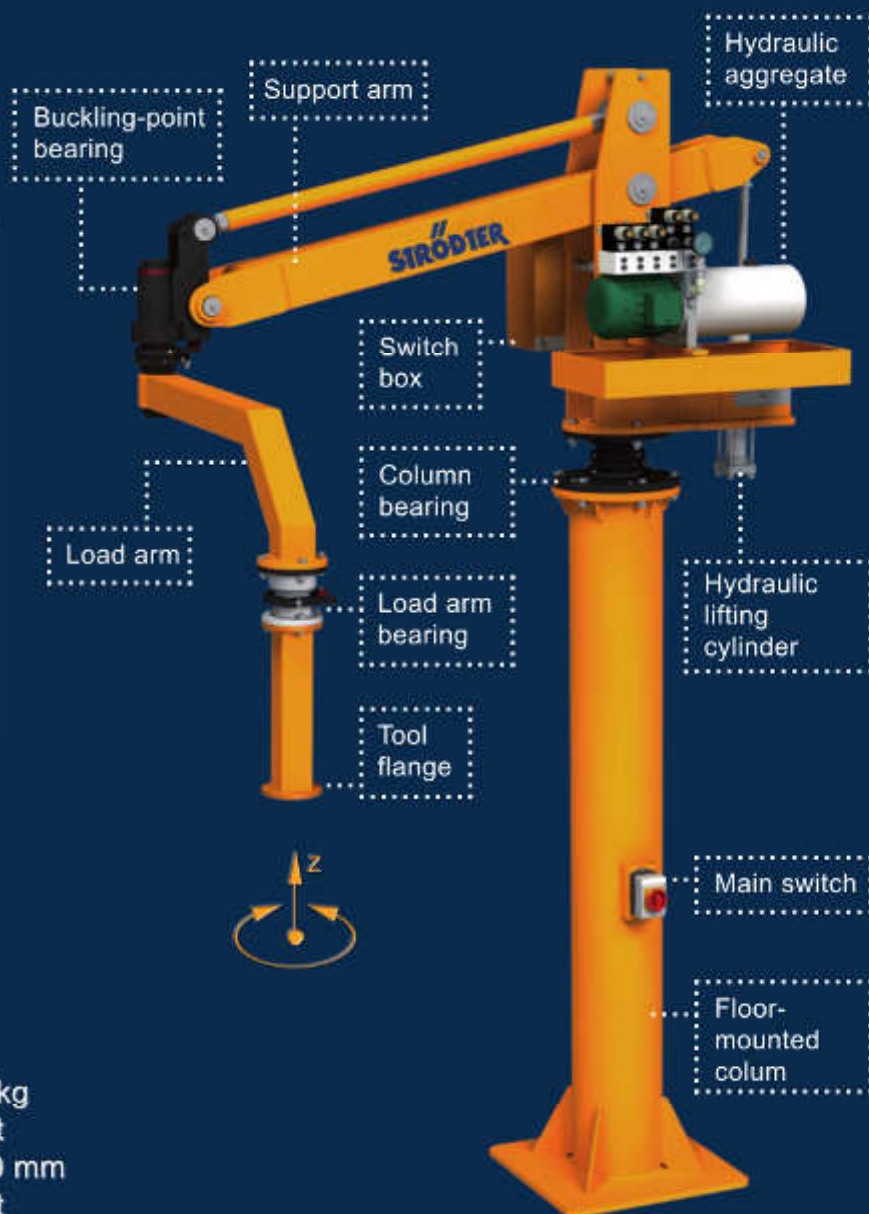
VIGO-MAT  
on floor-mounted column  
with articulated-arm

## Standard version hydraulical

In comparison to other devices this model line is especially suitable for individual workplaces in order to steplessly lift heavy loads.



Clamping mandrel for knife-rotors



- |                   |   |
|-------------------|---|
| Standard payload: | up to 500 kg  |
| Special payload:  | on request  |
| Standard stroke:  | up to 1500 mm   |
| Special stroke:   | on request  |
| Lifting speed:    | max. 300 mm/s   |
| Working radius:   | 800 – 3000 mm   |
| Duty cycle:       | 100%  |
| Torque loading:   | moment-rigid  |
| Control:          | Twist-grip up/down (stepless)   |
| Ergonomics:       | direct load movement and extended handrail  |
| Operating range:  | on floor-mounted or suspended column or rail-guided on crane trolley  |
| Rotation range:   | Type 1 (max. 350° with fixed angle stops),<br>Type 2 (max. 320° with adjustable angle stops)  |
| Application area: | <ul style="list-style-type: none"> <li>- Transport of parts with high moment support</li> <li>- stepless lifting in Z axis</li> <li>- easy travelling, positioning, turning and swivelling of parts to be handled in the assembly, production and packing area</li> </ul> |



VIGO-MAT versions	Payload in kg	Stroke in mm	Stroke in m/s	Working radius in mm	Load moment in Nm
<b>VIGO-MAT VH Standard hydraulically</b>					
VH 250/900	20 - 250	900	0,30	1800	1200
VH 250/1300	20 - 250	1300	0,30	2400	1200
VH 250/1600	20 - 250	1500	0,30	3000	1200
VH 500/900	20 - 500	900	0,20	1800	1200
VH 500/1300	20 - 500	1300	0,20	2400	1200
VH 500/1600	20 - 500	1500	0,20	3000	1200
<b>VIGO-MAT VH Special version</b>					
Special versions with client-specific particulars on request					

**VIGO-MAT**  
hydraulic



VIGO-MAT on ROLLYX-Rail System with scissors-type gripper incl. 90° swivel device for crankshafts

Vacuum crossbeam for fountain roller



Parallel clamp incl. 180° rotation device for couplings



Vice clamping unit incl. 10° swivel device for axles and rollers



Vice clamping unit incl. 180° rotary drive for forklift forks

## The Chain Hoist

We use electric chain hoists with 400V 3ph 50Hz of industrial quality. Depending on scope of tasks a single- or double-stranded load chain is applied. For flexible handling loads up to 3000 kg are lifted and moved with the help of smooth-running rail systems or articulated-arms.



Parallel clamp unit for aerated concrete elements

Gripping crossbeam for chassis with manual 180° rotation device



Chain hoist

Chain bag

Chain

Rope protection

Load hook

Control



"ERGO"-control



Handgrip control

### Standard version electrical

Standard payload: up to 1000 kg  
 Special payload: max. 3000 kg  
 Standard stroke: 3000 mm  
 Lifting speed: max. 24/6 m/min  
 Duty cycle: 60%  
 Torque loading: none  
 Control: Twist-grip or ERGO-control  
 Ergonomics: direct load movement and extended handrail  
 Operating range: rail-guided on rail runway, crane trolley or articulated arm or buckling articulated jib

Column rotation range: Type 1 (max. 350° with fixed angle stops),  
 (for column-based devices) Type 2 (max. 320° with adjustable angle stops) or  
 Type 3 (360° endless rotation on request only)

Application area:

- Transport of parts without moment support
- 2-stage or frequency-controlled, easy lifting in Z axis
- fast travelling in X and Y axis, positioning, turning and swivelling of parts to be handled in the assembly, production and packing area





Chain hoist versions	Payload in kg	Stroke in mm	Stroke in m/min
<b>Chain hoist KE Standard electrically</b>			
KE 125/3000	125	3000	8/2
KE 250/3000	250	3000	4/1
KE 250/3000	250	3000	8/2
KE 250/3000	250	3000	12/3
KE 500/3000	500	3000	4/1
KE 500/3000	500	3000	6/1,5
KE 500/3000	500	3000	9/2,3
KE 1000/3000	1000	3000	6/1,5
KE 1000/3000	1000	3000	8/2
<b>Chain hoist KE Special version 24V</b>			
KE 125/3000	125	3000	24/6
KE 250/3000	250	3000	18/4,5
KE 500/3000	500	3000	10/2,5
KE 1000/3000	1000	3000	5/1,25
KE 2000/3000	2000	3000	5/1,25
KE 3000/3000	3000	3000	5/1,25
Special versions with client-specific particulars on request			



Hook-type crossbeam for load carriers



Parallel clamp for cardboard boxes

## Chain Hoist electric



## The Modular Design

Example: VIGO-MAT suspended device



In order to receive an insight into device construction, the most common options are represented here. These accessory components can be used one by one or in combination.

To make it clear, the transition to the ROLLYX rail system and the transition to the gripper (load handling device) are illustrated as well. More detailed information can be taken from separate brochures (see catalogue and brochure survey).

### Transition to the ROLLYX Rail System



Standard Trolley



Optional Double trolley



Optional Friction wheel drives



Optional Brakes



Optional Snap-ons

Some components influence the control of the handling device and the gripper. Due to manifold possibilities we cannot illustrate all types of handles. In order to find device and accessories which match your scope of tasks, you will receive competent advice. Just ask for!



Illustration example: Handrail

### Transition to the gripper



Standard Tool flange



Optional Pendulum device



Optional Changeover device



Optional Automatic scales



Optional Swivel devices



Optional Rotation devices



## The Column bearing



Standard adjustable double stop



Optional 360° endless rotation



Optional Disc brake



Optional Rotation angle query



## The Smooth-running lift cylinder



Standard adjustable threaded rod



Optional Hoist brake

## The Buckling-point bearing



Standard adjustable double stop



Optional Disc brake



Optional Disc brake with cover

## The Load arm bearing



Standard adjustable stop



Optional Disc brake



Optional Disc brake with cover



Optional Rotation angle query



## Our Light crane systems

With our crane installation product line we have bundled interesting complete systems and thus offer you high quality crane systems. These were designed for use with electric chain hoists and in particular for the movement of assist device manipulators.



ROLLYX Rail system with electric chain hoist for suspension on ceiling

### The Portal steel construction

Easy-to-operate light crane systems belong to a meaningful equipment of workplaces. Also in this area the advantages of the ROLLYX rail system are a lot of use due to smooth-running travelling of load in all planes. The steel construction is combinable by lining up portals to extensive fields of work.

#### Suspension on ceiling

Due to the low deadweight of the ROLLYX Aluminium rail system, extensive workplaces can easily, fast and favourably be established by suspending rails from existing hall girders. Payload comes up to max. 3000 kg.

#### The 2-portal steel construction

Our basic system (steelwork construction with smooth-running rails) consists of a 2-portal steelwork, an X/Y rail system and a chain hoist of industrial quality. Payload comes up to max. 3000 kg.



ROLLYX-Rail system with electric chain hoist and 2-portal steelwork

#### The 3-portal steel construction

As light crane system the 3-portal steelwork is suited for the establishment of extensive work areas, and as modular system it offers a time-saving design of tailor-made workplaces. Payload comes up to max. 3000 kg



ROLLYX-Rail system with electric chain hoist and 3-portal steelwork



# The Storage and Retrieval Machine

With this floor-independent lifting device you rather stack to the ceiling. Electrical and pneumatical variants are available. They are used in combination with a steelwork, mounted on a hall construction or on a floor-mounted column. Payload comes up to max. 1000 kg.

REGA-MAT

## REGA-MAT

### Standard version electrically

Compared with other devices this model line is particularly suited for high lifting heights, even in low-ceilinged rooms.



Fork-type  
crossbeam for pallets



Vacuum  
crossbeam



Hook-type crossbeam



Magnetic crossbeam

Fork-type  
crossbeam for  
small load  
carriers

ROLLYX Rail system with  
Storage and Retrieval machine  
and portal steelwork  
More detailed specifications can  
be taken from our catalogue:  
"Light crane systems"



REGA-MAT on floor-mounted  
column with scissors-type clamping  
device for tubes

### Special version pneumatical and hydraulical

These model lines will only be  
manufactured on request.  
They are designed completely  
individual. Just ask us!



Vacuum crossbeam  
for load carriers

## The Articulated Arms

Light, lighter, lightest. The slewing crane stands for a low deadweight due to the aluminium articulated arm, in practice this means a little mass sluggishness for material handling. In combination with a chain hoist or rope balancer you will increase ergonomics and productivity. Payload comes up to max. 1500 kg.

The handling devices can be assigned to the different articulated arms as well.



Application example  
Light crane system  
Articulated arm with  
360° endless rotation  
and PICO-MAT

More detailed specifications  
can be taken from our catalogue  
Articulated arms



Application example  
Light crane system  
Articulated arm with  
max. 250° rotation range  
and electric chain hoist

More detailed specifications  
can be taken from our catalogue  
Articulated arms

## The Buckling Articulated Jib

Who doesn't know this? You are just about to plan a workplace and then you notice that there is an interfering edge in the workroom. Never mind, as this is insignificant for a buckling articulated jib. Due to direct guidance of the buckling arm you simply drive around interfering edges.

The handling devices can be assigned to the different buckling articulated jibs as well.



Application example  
Light crane system:  
Buckling Articulated-Jib  
with 360° endless rotation  
and ZYBA-MAT



Application example  
Light crane system:  
Buckling Articulated Jib  
with max. 250° rotation  
range and electric  
chain hoist

More detailed specifications  
can be taken from our catalogue  
Light crane systems



# We get loads floating on air!

Improving production processes for higher efficiency and for operator's satisfaction in the sectors: Production, assembly and distribution

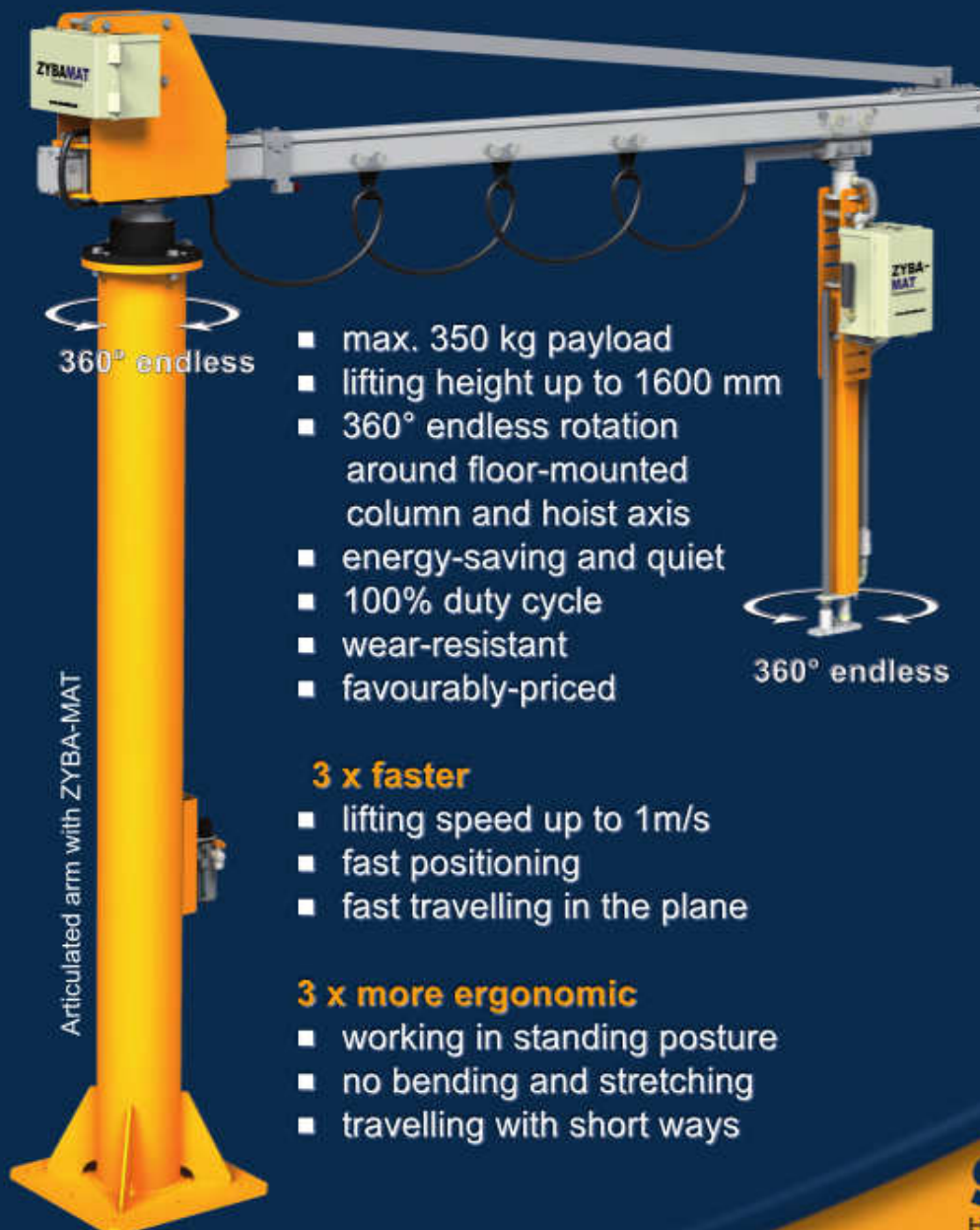
*The cost-effective alternative to chain hoists, rope balancers and vacuum hose lifters.*

Variants:

ZP40	(max. 40 kg)
ZP60	(max. 60 kg)
ZP120	(max. 120 kg)
ZP200	(max. 200 kg)
ZP350	(max. 350 kg)

**ZYBAMAT**  
Pneumatic Balancer

**ZYBA-MAT**



- max. 350 kg payload
- lifting height up to 1600 mm
- 360° endless rotation around floor-mounted column and hoist axis
- energy-saving and quiet
- 100% duty cycle
- wear-resistant
- favourably-priced

### 3 x faster

- lifting speed up to 1m/s
- fast positioning
- fast travelling in the plane

### 3 x more ergonomic

- working in standing posture
- no bending and stretching
- travelling with short ways

### Column rotation ranges



Type 1  
max. 350° with fixed angle stop



Type 2  
max. 320° with adjustable angle stops



Type 3  
360° endless rotation



Disc brake for all rotation ranges

**STRÖDTER**  
Handhabungstechnik GmbH

**Solutions for  
all industry sectors**

### Selection criteria for chain hoist and vacuum lifter, ZYBA-MAT and PICO-MAT

<b>Electric chain hoist</b> suitable for:		
Load weights up to 120 kg	★★★★★	
up to 1000 kg	★★★★★	
Lifting height above 1,5 up to 3 m	★★★★★	
Fast relocating of parts with		
High frequency (preferably up to 120 kg)	★	
Hoisting positioning in Z	★	imprecise, +50 mm, rough
Threading and placing of parts	★	rough
Duty cycle 60%	★★	
Movement positioning in X and Y	★	expensive
Ergonomics	★	without special requirements
Energy consumption	★★★★★	low
Maintenance frequency	★★	
<b>Vacuum hose lifter</b> suitable for:		
Load weights up to 120 kg	★★★	
up to 400 kg	★	
Lifting height up to 1,5 m	★★★★	
Fast relocating of parts with		
High frequency (preferably up to 120 kg)	★★★★★	
Hoisting positioning in Z	★★★	imprecise, can be resqueezed
Threading and placing of parts	★★★	conditionally possible only
Duty cycle 80%	★★★	
Movement positioning in X and Y	★★★★	good
Ergonomics	★	without special requirements
Energy consumption	★	very high
Maintenance frequency	★★	
<b>ZYBA-MAT</b> suitable for:		
Load weights up to 120 kg	★★★★★	
up to max. 350 kg	★★	
Lifting height up to 0,8 m	★★★★★	
Lifting height up to max. 1,5 m	★★★	
Fast relocating of parts with		
High frequency (preferably up to 120 kg)	★★★★★	
Hoisting positioning in Z	★★★★★	very precise, sensitive
Threading and placing of parts	★★★★★	gentle
Duty cycle 100%	★★★★★	
Movement positioning in X and Y	★★★★★	excellent
Ergonomics	★★★★★	excellent
Energy consumption	★★★★	low
Maintenance frequency	★★★★★	very low
<b>PICO-MAT</b> suitable for:		
Load weights up to max. 120 kg	★★★★★	
Lifting height up to max. 1,8 m	★★★★★	
Fast relocating of parts with		
High frequency (preferably up to 120 kg)	★★★★	
Hoisting positioning in Z	★★★★★	very precise
Threading and placing of parts	★★★★★	gentle
Duty cycle 100%	★★★★★	
Movement positioning in X and Y	★★★★	good
Ergonomics	★★★★★	excellent
Energy consumption	★★★★	low
Maintenance frequency	★★★★	low

★★★★★ excellent, ★★★★ good, ★★★ average, ★★ conditionally suitable, ★ not suitable





Handling devices of

**STRÖDTER**  
 Handhabungstechnik GmbH

 SUBA-MAT  
 Springbalancer  
 page 2

 SUBA-MAT  
 pneumatical  
 page 4

 ZYBA-MAT  
 pneumatical  
 page 6

 YXO-MAT  
 pneumatical  
 page 8










 TRI-MAT  
 pneumatical  
 page 10

 PICO-MAT  
 pneumatical  
 page 12


Device code	SF	SP	ZP	XP	TR	ET
Standard payload	0 - 85 kg	0 - 400 kg	0 - 350 kg	0 - 300 kg	0 - 100 kg	0 - 120 kg
Special payload	on request	max. 1000 kg	on request	on request	on request	-
Duty cycle	100%	100%	100%	100%	100%	100%
Mono-rail	-	-	X	X	-	X
Crane trolley	X	X	-	-	X	-
Floor-mounted column	-	-	-	-	X	-
Suspended column	-	-	-	-	X	-
Floor-mounted column with articulated arm	-	-	X	X	-	X
Floor-mounted column with articulated arm	-	-	X	X	-	X
Wall-mounted or clamped	-	-	X	X	-	X
Varying weight of client's workpieces	no	no	yes	yes	yes	yes
Turning/swivelling of load inside centre of gravity	X	X	X	-	X	X
Turning/swivelling of load outside centre of gravity	X	X	-	-	-	-
Moment loading	stable	stable	low	low	none	none
Load moment	max. 300 Nm	max. 1200 Nm	max. 10 Nm	max. 20 Nm	-	-
Load weights up to 120 kg	max. 76 kg	X	X	X	max. 100 kg	X
up to 400 kg	-	X	max. 350 kg	max. 300 kg	-	max. 120 kg
up to 1000 kg	-	max. 1000 kg	-	-	-	-
up to 3000 kg	-	-	-	-	-	-
Lifting speed	1 m/s	0,8 m/s	1 m/s	1 m/s	0,7 m/s	1 m/s
Lifting height up to 800 mm	X	X	X	X	X	-
up to 1500 mm	X	X	X	max. 1000 mm	X	X
up to 3000 mm	on request	on request	max. 1600 mm	-	max. 2000 mm	max. 2000 mm
Simple occasional relocating with low clock rate	-	-	-	-	-	-
Fast relocating with high clock rate	X	X	X	X	X	X
Floating tool guidance	X	X	-	-	-	-
Hoisting drive: balance	X	X	X	X	X	X
stepless	X	X	X	X	X	X
staged	-	-	-	-	-	-
Threading and placing	fine	fine	fine	fine	fine	fine

 fine = floating – sensitive, fast moving, gentle  
 and precise placing (accurately)



Buckling-arm pneumatical page 14	TELO-MAT pneumatical page 16	TELO-MAT light pneum. page 18	TELO-MAT hydraulic page 20	TELO-MAT electrical Seite 22	VIGO-MAT pneumatical page 24	VIGO-MAT hydraulic page 26	Chain hoist electrical page 28	Hose lifter electric pneumatical
								
ETK	FP	FP-L	FH	FE	VP	VH	KE	-
0 - 110 kg	0 - 240 kg	0 - 120 kg	20 - 800 kg	20 - 1000 kg	0 - 150 kg	20 - 500 kg	10 - 1000 kg	0 - 400 kg
-	max. 600 kg	on request	on request	max. 1500 kg	max. 500 kg	on request	max. 3000 kg	-
100%	100%	100%	100%	60%	100%	100%	60%	80%
-	-	-	-	-	-	-	X	X
X	X	X	X	X	X	X	X	X
X	-	-	-	-	X	X	-	-
X	-	-	-	-	X	X	-	-
-	-	-	-	-	-	-	X	X
-	-	-	-	-	-	-	X	X
-	-	-	-	-	-	-	X	X
yes	yes	yes	yes	yes	yes	yes	yes	yes
X	X	X	X	X	X	X	-	-
-	X	X	X	X	X	X	-	-
none	rigid	rigid	rigid	rigid	rigid	rigid	none	none
-	max. 2000 Nm	max. 300 Nm	max. 1200 Nm	max. 1200 Nm	max. 600 Nm	max. 1200 Nm	-	-
max. 110 kg	X	X	X	X	X	X	X	X
-	X	-	X	X	X	X	X	X
-	max. 600 kg	-	max. 800 kg	X	max. 500 kg	max. 500 kg	X	-
-	-	-	-	max. 1500 kg	-	-	X	-
1 m/s	0,8 m/s	1 m/s	0,3 m/s	18/4,5 m/min	1 m/s	0,3 m/s	24/6 m/min	0,8 m/s
-	X	X	X	-	X	X	-	X
X	X	max. 1200 mm	X	X	X	X	-	X
max. 2000 mm	max. 2000 mm	-	max. 2000 mm	max. 2000 mm	max. 1800 mm	on request	X	-
-	-	-	-	-	-	-	X	-
X	X	X	X	X	X	X	-	X
-	-	-	-	-	-	-	-	-
X	X	X	-	-	X	-	-	-
X	X	X	X	X	X	X	X	X
-	-	-	-	X	-	-	X	-
fine	fine	fine	fine	rough	fine	fine	rough	medium

rough = motor-controlled, slow moving  
inaccurate placing

medium = inaccurately approachable, fast moving  
and accurate pressing into position



SR 100, SR 150 and SR 200 max. 1000 kg, SR 250 max. 3000 kg,  
SR 175M (multifunction) max. 1000 kg

- Crane construction kit
- Payload up to 3000 kg
- initial length up to 8 m
- modularly expandable
- approved technology
- light and solid
- easy to assemble
- planning and construction
- multifunctional rail with
- additional tracks



Trolley

Energy supply  
electricalEnergy supply  
pneumatical

Brakes



Safety rope



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Mounting  
suspensionInternal & external  
stops

- Complete energy line  
with rail running tracks  
for: - manipulators  
- tool trolleys  
- screw-in technology
- cable tray
- air conduction 4"
- light strip
- emergency stop
- Q stop



**ROLLYX**  
RAIL SYSTEM

**Aluminium  
smooth-running rail system**



## Sales program



Gripper technics  
Automotive industry



Gripper technics  
General industry



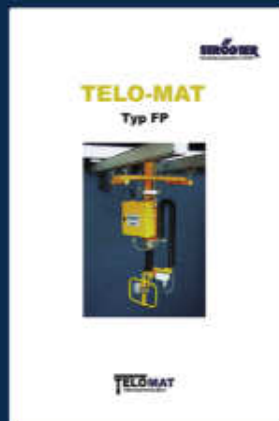
Smooth-running  
Aluminium rail system

Brochure survey

## Brochures



VIGO-MAT



TELO-MAT



PICO-MAT



Buckling-arm  
rope balancer

## Catalogues



ROLLYX planning  
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Light crane  
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Please ask for  
our documents !

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**WE GET  
LOADS  
FLOATING  
ON AIR.**



Chain hoist  
max. 3000 kg



ZYBA-MAT  
max. 350 kg



PICO-MAT  
max. 120 kg



SUBA-MAT  
max. 1000 kg



TELO-MAT  
max. 1500 kg



YXO-MAT  
max. 300 kg



VIGO-MAT  
max. 500 kg