

ERGOLATOR®

Ergonomic lifting device



15–200 kg ERGOLATOR® for all kind of roll handling

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Always right operation height - ***no strenuous kneeling or stretching.***

Stepless lifting speed - ***speed control under operator's thumb with push button.***

Gripping tool and handles mechanically connected - ***superb lifting operation control.***

Personal lifting device - ***more ergonomics and higher productivity.***



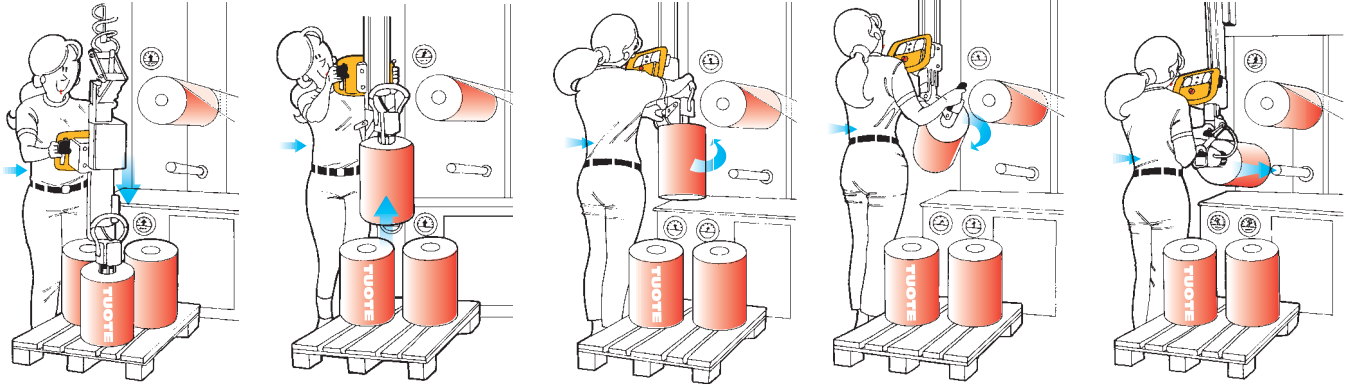
Light • Fast • Comfortable • Safe • Healthy

ERGOLATOR® is a personal lifting device that makes workers' operations easier. The user's operational height stays controlled whatever the lifting height may be without kneeling or stretching. The handle moves freely in the rail according to the users height and the lifting height of the load and it has been designed in a way that the position of users hands is as natural as possible. The user can lift or move the load in his natural position.

With the frequency controlled steering a stepless lifting speed is achieved, which ensures flexible lifting. In addition the buttons of the manual control are located in a way that the user does not have to move from the control during the lifting and moving the load. Because the load and the controls are mechanically attached, the user controls the load like with his own hands. ERGOLATOR® is a lifting device which is safe and ensures the ergonomics of work.

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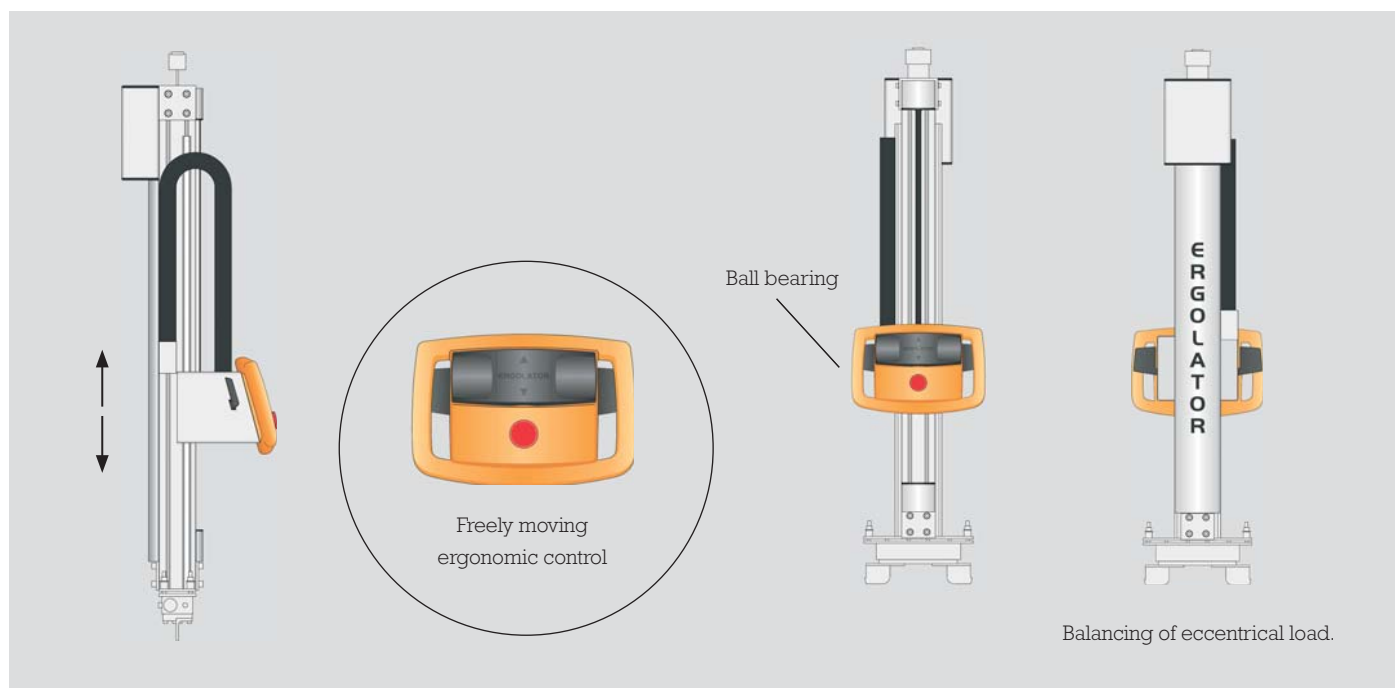


Lifting a roll from a pallet with an ERGOLATOR®. The back of the person stays straight during the whole lifting. Turn of the roll with ERGOLATOR® 90 degrees. The back of the person stays straight. Placing of the roll directly into a machine with ERGOLATOR®.

ERGOLATOR® personal lifting device is attached to a traditional light bridge crane. The gripper is attached to the up/down -moving rail. The user holds the control in the desired height during all the phases of lifting and moving procedure. With the frequency controller a stepless lifting speed is achieved. ERGOLATOR® is for loads up to maximum 150 kg.

The operational range of ERGOLATOR® can be chosen by using a standard modular PROSYSTEM® light crane system. It can be mounted to a separate steel construction or to the customer's own roof- or steel construction. The gripper is determined by the lifted load and it can be mechanic, pneumatic, underpressure functioning, or a combination of these. In addition there is a gripper changing system available, which enables the lifting of different kinds of loads.

The lifting device can be moved either manually or electrically. The profile trolleys ensure the lightness of the moves. ERGOLATOR® is patented.



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Case examples



Lifting of a casting model with ERGOLATOR® from a pallet and placing into a machine.



Lifting of a light cable roll from a rack with an ERGOLATOR® and placing the roll into a machine.

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Case examples



Handling of big rolls by gripping the roll from outside to leave the centre hole free.



Special solution:
using ERGOLATOR® to lift silicon ingot from an oven, turning it and placing the ingot on a transportation cart.

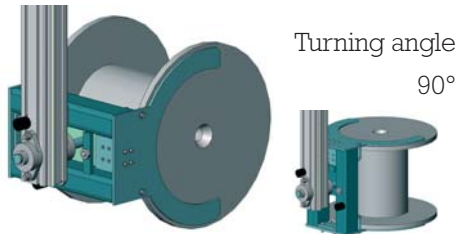


Lifting rolls with a big suction pad from/to pallet in a horizontal or vertical position.

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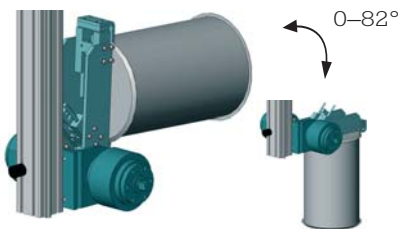
Gripping tools

Here are some examples of standard grippers for handling different kinds of rolls:



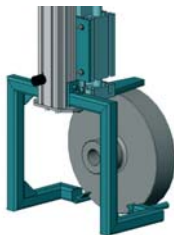
PROD.NO.	ARTICLE	DESCR.
801060	Cable drum gripper	50 KG

Pneumatic gripper for fiber cable roll with a manual turn of 90 degrees. Dimensioning according to customers rolls.



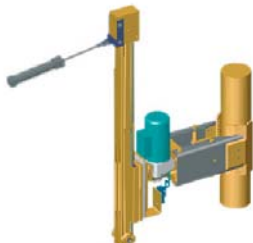
PROD.NO.	ARTICLE	DESCR.
801061	Wire drum gripper	50 KG

Pneumatic gripper for wire drum, with a 90 degrees pneumatic turn from vertical to horizontal position and back. Weight of the roll max. 50



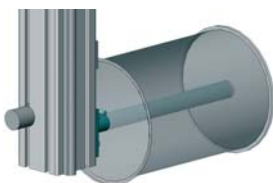
PROD.NO.	ARTICLE	DESCR.
801062	Tool gripper	50 KG

A solution for changing rolling and carving equipment



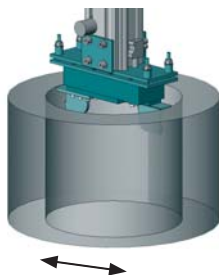
PROD.NO.	ARTICLE	DESCR.
801063	Cylinder gripper	80 KG

Pneumatically preassuring gripper for a cylinder. Diameter of the cylinder 100-165 mm. Also with a manual or electrical turn for additional price.



PROD.NO.	ARTICLE	DESCR.
801064	Shaft gripper	80 KG

Mechanic gripper for metal wire roll.

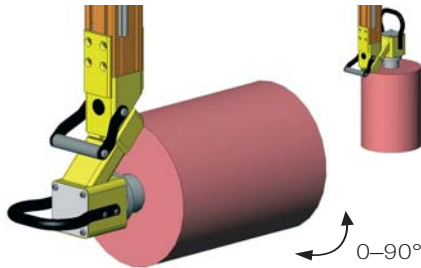


PROD.NO.	ARTICLE	DESCR.
801065	Vertical core gripper	50 KG

Pneumatic vertical roll gripper for bigger barrels, diameter max. 350 mm.

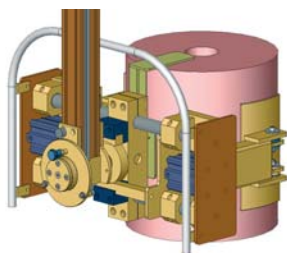
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Gripping tools



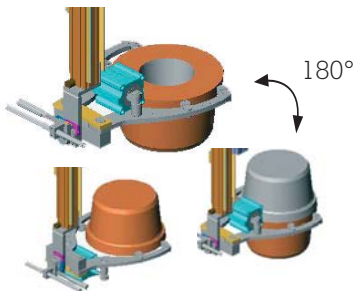
PROD.NO.	ARTICLE	DESCR.
801066	Expansion gripper, ø 75 mm ja 150 mm	50 KG

Expanding shaft for paper and plastic rolls. The inner diameter max. 150 mm and weight max. 85 kg. Mechanical hand turn from vertical to horizontal position and back.



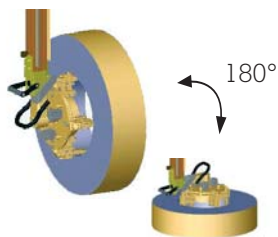
PROD.NO.	ARTICLE	DESCR.
801067	Roll gripper / outside	80 KG

Paper and plastic roll gripper with pneumatic pressure from outside. The outer diameter of the roll from 290 to 850 mm. Mechanical hand turn from vertical to horizontal position and back.



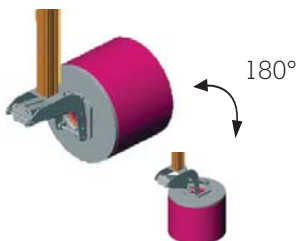
PROD.NO.	ARTICLE	DESCR.
801068	Preassuring gripper	80 KG

Preassuring gripper for casts. The max. diameter of the cast 600 mm, 180° turn up/down.



PROD.NO.	ARTICLE	DESCR.
801069	Cylinder gripper	80 KG

A pneumatic-mechanical gripper for big cylinders. Mechanic turn from vertical to horizontal position and back.



PROD.NO.	ARTICLE	DESCR.
801070	Suction plate gripper, big	120 KG
801072	Suction plate gripper, small	75 KG

Suction plate gripper for rolls. Max. diameter of the roll 600 mm. Pneumatic turn from vertical to horizontal position and back.

Maybe there is an easy solution for your and your customers roll handling needs. Other grippers for handling plastic boxes and cylindrical products are deliverable. Our technical support is at your service per telephone +358 9 2219 0530 or per Fax +358 9 297 5021 or by E-Mail: sales@erikkila.fi.

Also available:

Light Crane System



Jib Cranes



Robotic Cranes



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