



 **moviroll**
 **movicart**

ROLL PUSHERS & CART MOVERS



moviroll

ROLL PUSHERS & ACCESSORIES

Moviroll roll pushers improve the productivity and increase the safety level as they allow the operator to effortlessly and safely maneuver both large and small cylindrical loads. Moviroll roll pushers reduce risks for the operator according to the Technical Standards ISO 11228 "Ergonomics Manual handling".

They are ideal to move paper rolls, but they are also used to move loads in several other industrial applications.

A wide range of pneumatically and battery operated models plus a variety of optionals and accessories are available, all of them designed, manufactured and assembled on site at Renova. For this reason we are able to quickly work on customized projects at competitive prices.

Send us your application requirements and we will work with you to find the model that suits your needs.

Click on the "play" icons in this catalog and see demonstration videos!



BATTERY ROLL PUSHERS

Battery roll pushers offer the advantage of free movement without the constraints of the pneumatic connections or electrical cables.

VARIABLE SPEED

to suit any operator needs

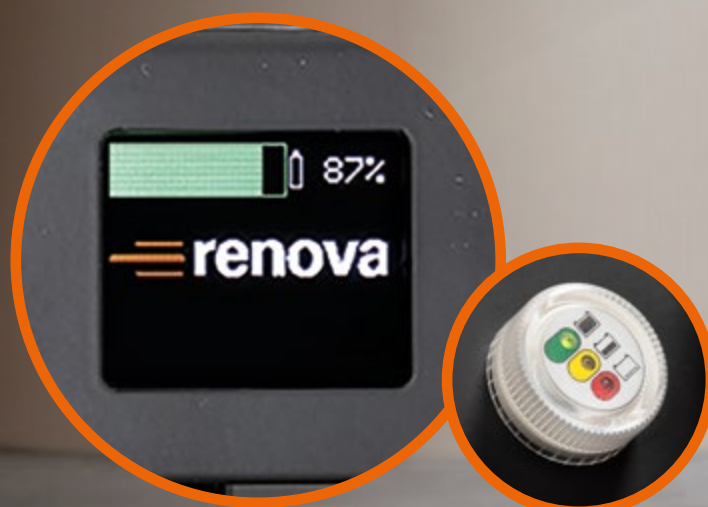
FORWARD & REVERSE GEAR

two buttons shielded from dirt, dust and water



CHARGE INDICATOR

LEDs or display depending on the model



ON/OFF SWITCH

preserves the battery charge

CUT FRAMES

easy removal of roller & bearings

OVERSIZED WHEELS

to easily overcome any obstacles along the way



LITHIUM BATTERY

We provide high performance systems with the longest running time respecting the environment and safeguarding the health of the operator.



PLUG & PLAY

Quick battery changes in less than 10"



ECO-FRIENDLY

Battery charger provided



DURABLE CHARGE

Up to 50 working hours with one battery charge



RAPID RECHARGE

Maximum 4 hours required for a full recharge



LONG LIFE SPAN

Battery life span about 500 recharges

Battery series

48 V



24 V



2 YEAR WARRANTY

Applied to the battery and to the device



MRE XS

SUPER COMPACT DESIGN

MRE XS is the best solution to fit narrow spaces or when the need of separating two rolls arises. The handle can be mounted at two heights from the ground, 850 or 920 mm.

new

AUTO SWITCH-OFF DISPLAY

helps saving energy while giving the machine more battery autonomy.

new

ANTI-ROLLBACK

let go of the accelerator without the risk of the roll moving back due to the weight of the roll especially during the lift phase.



model	thrust force	lift force	max rolls diameter	motor	battery	max speed	unit weight
MRE 100 XS	12000 kg	3000 kg	2100 mm	48 V DC IP 44 brushless	lithium 48 V	13 m/min	30 kg
MRE 200 XS	16000 kg	4000 kg	2100 mm	48 V DC IP 44 brushless	lithium 48 V	9 m/min	30 kg
MRE 300 XS	20000 kg	5000 kg	2100 mm	48 V DC IP 44 brushless	lithium 48 V	7 m/min	30 kg





MRE

HEAVY-DUTY DESIGN

MRE allows the operator to move rolls on a flat surface and place them on the shuttle cart. Available with straight handle or curved handle 'S'.

new

BATTERY GUIDE OPTIONAL

High battery protection from any impact. It also makes inserting the battery easier*.

PLATE OPTIONAL

designed to push rolls from their side*.



*details at page 21.

model	thrust force	lift force	max rolls diameter	motor	battery	max speed	unit weight
MRE 100 MRE 100 S	12000 kg	3000 kg	2100 mm	24 V DC IP 44	lithium 24 V	13 m/min	45 kg
MRE 200 MRE 200 S	16000 kg	4000 kg	2100 mm	24 V DC IP 44	lithium 24 V	10 m/min	45 kg
MRE 300 MRE 300 S	20000 kg	5000 kg	2100 mm	24 V DC IP 44	lithium 24 V	8 m/min	45 kg





MRE LP

HEAVY-DUTY DESIGN

MRE LP has been designed for special applications. It has different design but same performances of MRE model.

model	thrust force	lift force	max rolls diameter	motor	battery	max speed	unit weight
MRE100 LP	12000 kg	3000 kg	4500 mm	24 V DC IP 44	lithium 24 V	13 m/min	36 kg
MRE 200 LP	16000 kg	3500 kg	4500 mm	24 V DC IP 44	lithium 24 V	10 m/min	36 kg
MRE 300 LP	20000 kg	4000 kg	4500 mm	24 V DC IP 44	lithium 24 V	8 m/min	36 kg



PNEUMATIC ROLL PUSHERS

Pneumatic models use the power of a high quality pneumatic gear motor powered by pressurized air at 6 bar and are suitable with straight or curved handle "S".

ERGONOMIC HANDLE

all models are available with straight handle or curved handle 'S'

SAFE ACTIVATION OF ROLLERS

only when the load is applied

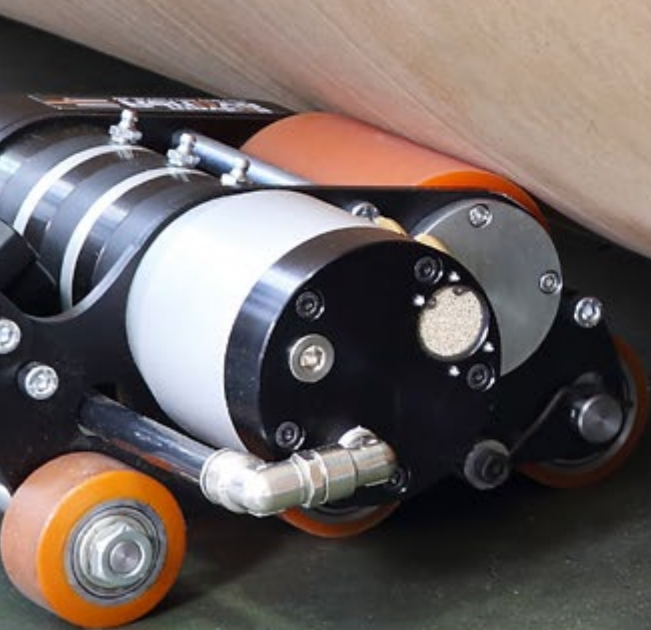
POWERFUL MOTOR

powered by pressurized and lubricated air at 6 bar

STURDY DESIGN

compact, handy and heavy duty





MR MR H

STRAIGHT OR CURVED HANDLE

A proper maintenance of the **MR** engine with lubricating oil guarantees its correct conservation and performances over time. The **MR H** engine doesn't need lubricating oil. This means same performances with inferior consumptions and maintenance costs. Both models are available with straight handle or curved handle 'S'.



straight handle

curved handle 'S'

model	thrust force	lift force	max rolls diameter	max speed	air pressure	air consumption	unit weight
MR100 MR100 S	10000 kg	2500 kg	2600 mm	24 m/min	6-7 bar	28 l/sec	24 kg
MR200 MR200 S	20000 kg	5000 kg	2600 mm	20 m/min	6-7 bar	40 l/sec	24 kg
MR100 H MR100 SH	10000 kg	2500 kg	2600 mm	20 m/min	6-7 bar	22 l/sec	20 kg
MR200 H MR200 SH	20000 kg	5000 kg	2600 mm	18 m/min	6-7 bar	34 l/sec	21,5 kg

ANCILLARY EQUIPMENT

Moviroll ancillary equipment integrates the functionality of the pneumatic and battery powered roll pushers, as they support the operator in all processes related to the handling of loads.

MOVIDRUM

Movidrum is a motorless reel mover that allows to effortlessly and safely push reels on a flat surface.

Movidrum drum mover is a customized product according to the bore diameter, reel diameter, reel weight and reel width.

Max. thrust force 650 kg.



ROTATING PLATE

Safely rotates 360° cylindrical loads without any effort for the operator.



model	load capacity	rotation	unit weight	unit dimensions
PRT2000	2000 kg	360°	35 kg	400 x 380 mm
PRT7000	7000 kg	360°	46 kg	700 x 680 mm

OPTIONALS

We offer a wide range of accessories to meet the different needs of the industry.

PLATES

Custom plates are designed to push reels from their side.

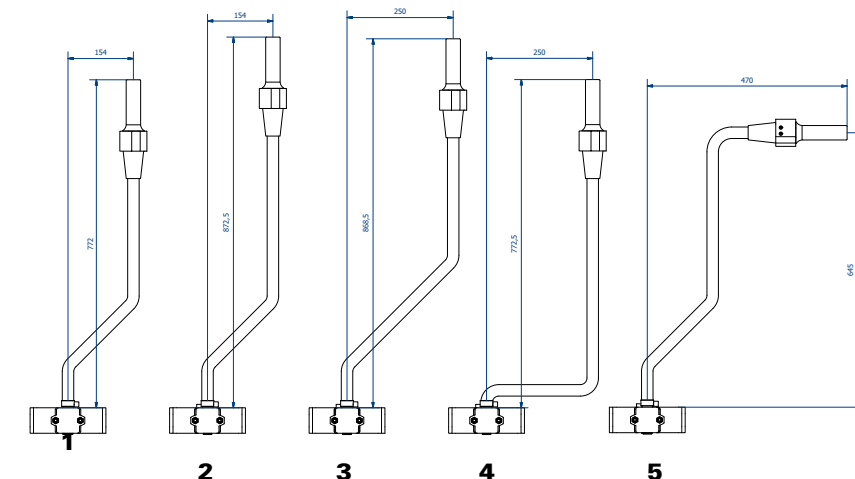
BATTERY GUIDE

CODE: MREK0042

Only for MRE models. Provides battery protection from any impact and makes inserting the battery easier.

HANDLES

A wide range of different handles are available for all battery models.



AIR SUPPLY KIT

CODE: MVRK001

Only for pneumatic roll pushers. It is inclusive of:

- spiral pipe
- lubricator filter
- pipe fitting



movicart

CART MOVERS & TOW TUGS

Movicaart cart movers and tugs improve the productivity and increase the safety level as they allow the operator to effortlessly and safely maneuver carts and wheeled loads. Movicaart series reduces risks for the operator according to the Technical Standards ISO 11228 "Ergonomics Manual handling".

They are ideal to push and pull carts and wheeled loads in many diverse industrial applications.

A wide range of battery operated models plus a variety of optionals and accessories are available, all of them designed, manufactured and assembled on site at Renova. For this reason we are able to quickly work on customized projects at competitive prices.

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LITHIUM BATTERY

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PLUG & PLAY

Quick battery changes in less than 10''



ECO-FRIENDLY



DURABLE CHARGE

Up to 35 working hours with one battery charge



RAPID RECHARGE

Maximum 4 hours required for a full recharge



LONG LIFE SPAN

Battery life span about 500 recharges

Battery charger provided

Battery series

48 V



24 V



2 YEAR WARRANTY

Applied to the battery and to the device

BATTERY CART MOVERS

Movicart MCE are compact and handy systems designed to safely push or pull existing carts (both on wheels or rails) without efforts of the operator, quickly engaging up to 5000 kg thrust force.

OMNIDIRECTIONAL WHEELS

effortlessly change
cart direction

LIFTER

place the Movicart under the
cart and then smoothly hook it
at the right height

BATTERY STATUS LEDs

indicate when the battery needs to
be recharged

ON/OFF SWITCH

to preserve the
battery charge

UP/DOWN BUTTONS

cart gripper
raising &
lowering
controls

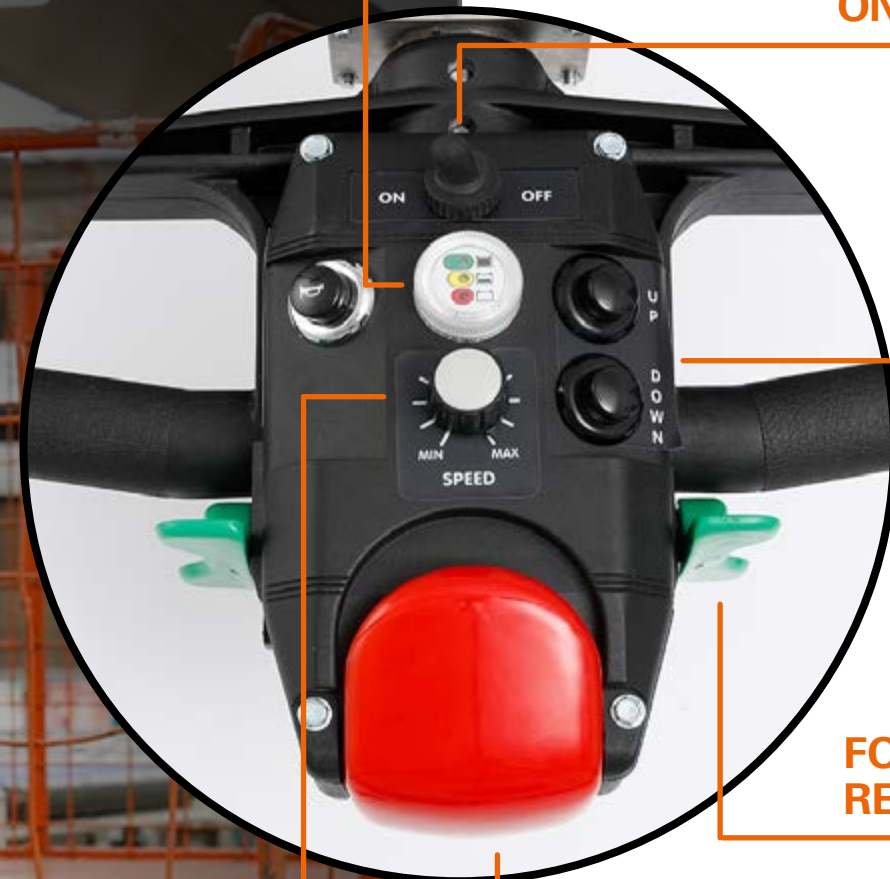
FORWARD AND REVERSE GEAR

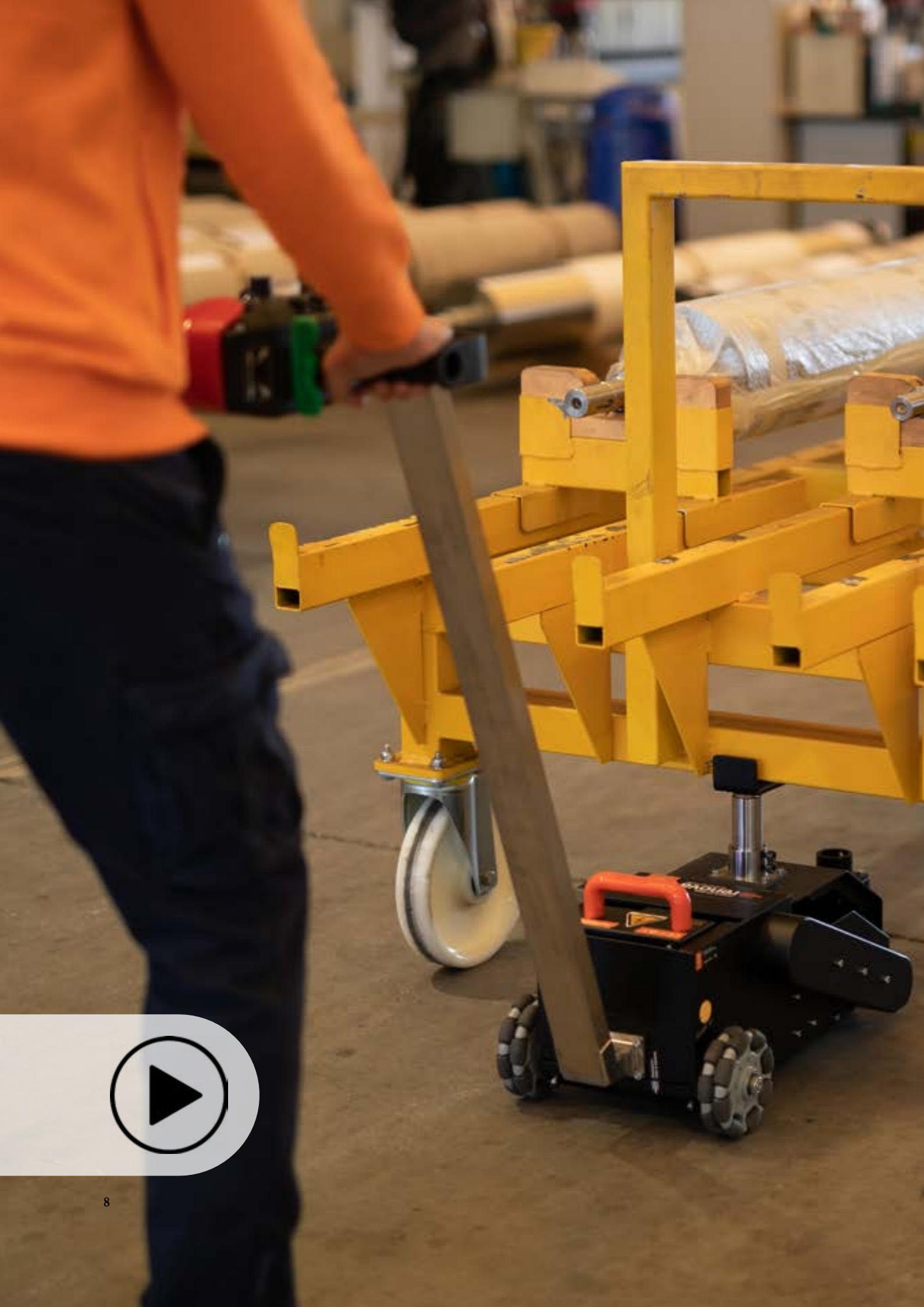
EMERGENCY STOP BELLY BUTTON

as a safety precaution, Movicart
reverses direction if the button hits
the operator

MAX SPEED ADJUSTMENT

to suit any operator
needs





MCE

BATTERY CART MOVERS

MCE is designed to effortlessly push or pull existing carts, on wheels or on rails. Thanks to its various configurations, it can move carts of different sizes, heights and weights.



MCE400E



MCE500

MCE400

model	thrust force	motor	battery	max speed	unit weight
MCE 400	400 kg	24 V DC IP 44 brushless	lithium 24 V	30 m/min	38 kg
MCE 400 E	1500 kg	24 V DC IP 44 brushless	lithium 24 V	30 m/min	38 kg
MCE 500	5000 kg	24 V DC IP 44 brushless	lithium 24 V	10 m/min	43 kg



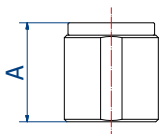
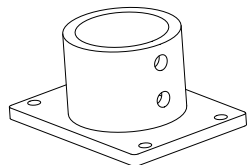
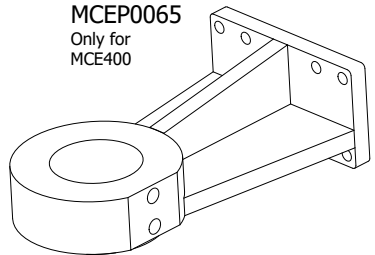
CONFIGURATIONS



CART GRIPPERS

MCEP0102	A HOOK	B RUBBER PLATE	C KIT CART FRAME
cart frame (mm)	A	B	C
30 - 50	MCEP0068	MCEP0077	MCEP0087
50 - 80	MCEP0070	MCEP0080	MCEP0088
80 - 120	MCEP0072	MCEP0083	MCEP0089
120 - 150	MCEP0074	MCEP0086	MCEP0090

BUSHINGS

		<p>MCEP0016</p> 		<p>MCEP0065 Only for MCE400</p> 		
A (mm)	40	75	110	145	180	215
code	MCEP0096	MCEP0097	MCEP0098	MCEP0099	MCEP0100	MCEP0101

HANDLE EXTENSION

Handle extension available to space out from protruding loads.

	A	
A (mm)	610	
code	MCEP0104	

ELECTRIC TUGS

Movicart MTE are heavy-duty motorized tugs for the easy and safe traction of wheeled loads up to 6 tons. A wide range of accessories are available to adapt to any wheeled load.

EASY CONNECTION

to the load that need
to be pulled



BATTERY STATUS LEDs

indicate when the battery needs to
be recharged

ON/OFF SWITCH

to preserve the
battery charge



FORWARD AND REVERSE GEAR

EMERGENCY STOP BELLY BUTTON

as a safety precaution, Movicart
reverses direction if the button hits
the operator

MAX SPEED ADJUSTMENT

to suit any operator
needs



new

MTE

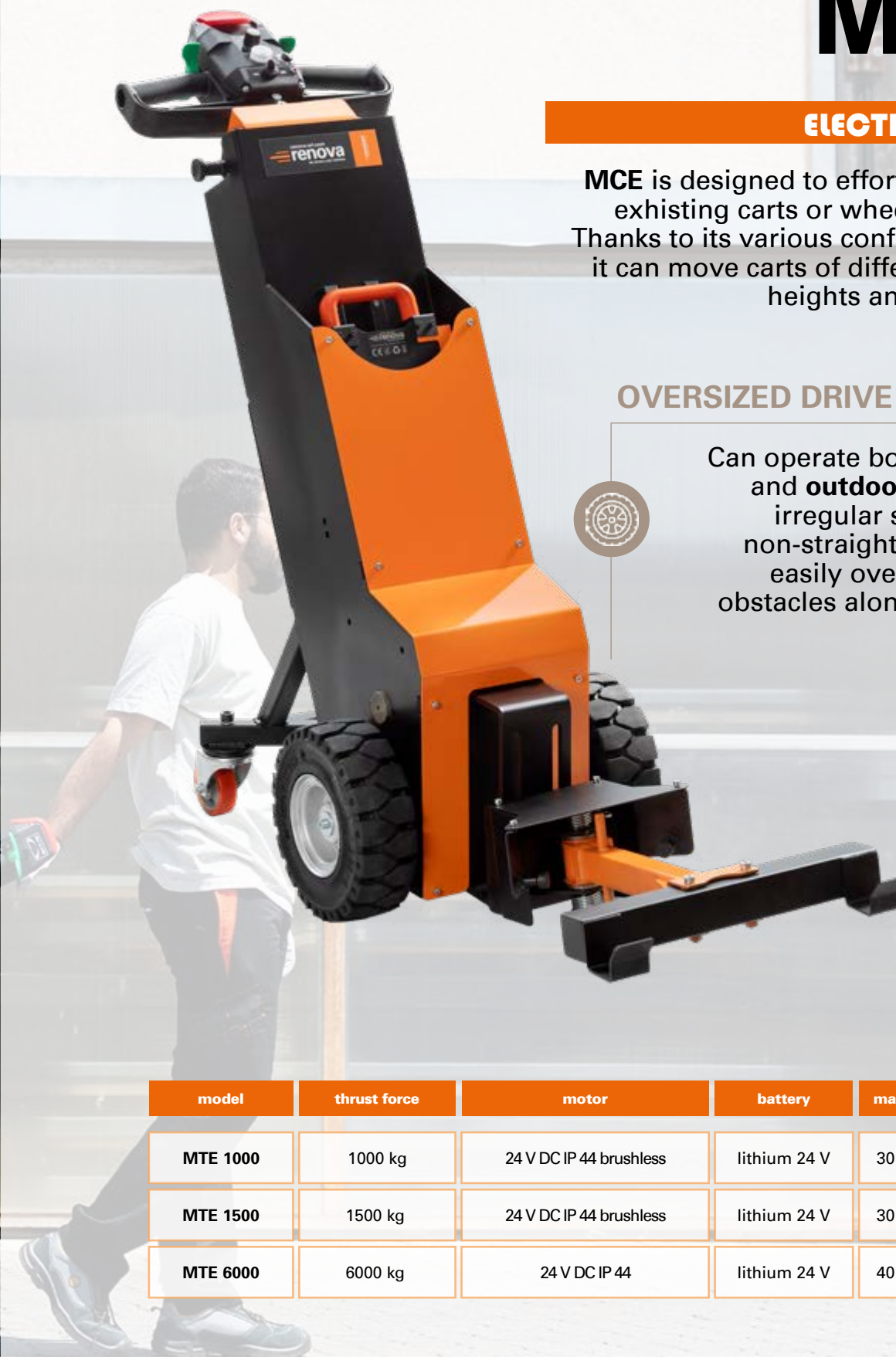
ELECTRIC TUGS

MCE is designed to effortlessly tow existing carts or wheeled loads. Thanks to its various configurations, it can move carts of different sizes, heights and weights.

OVERSIZED DRIVE WHEELS



Can operate both **indoors** and **outdoors** even on irregular surfaces or non-straight paths and easily overcome any obstacles along the way.



model	thrust force	motor	battery	max speed	unit weight
MTE 1000	1000 kg	24 V DC IP 44 brushless	lithium 24 V	30 m/min	55 kg
MTE 1500	1500 kg	24 V DC IP 44 brushless	lithium 24 V	30 m/min	100 kg
MTE 6000	6000 kg	24 V DC IP 44	lithium 24 V	40 m/min	280-500 kg



we are here to *support* you

Please don't hesitate to **contact** us for any information or **custom projects**.

Click the **Application icon** and send us your application requirements and we will work with you to find the solution that fits your needs.



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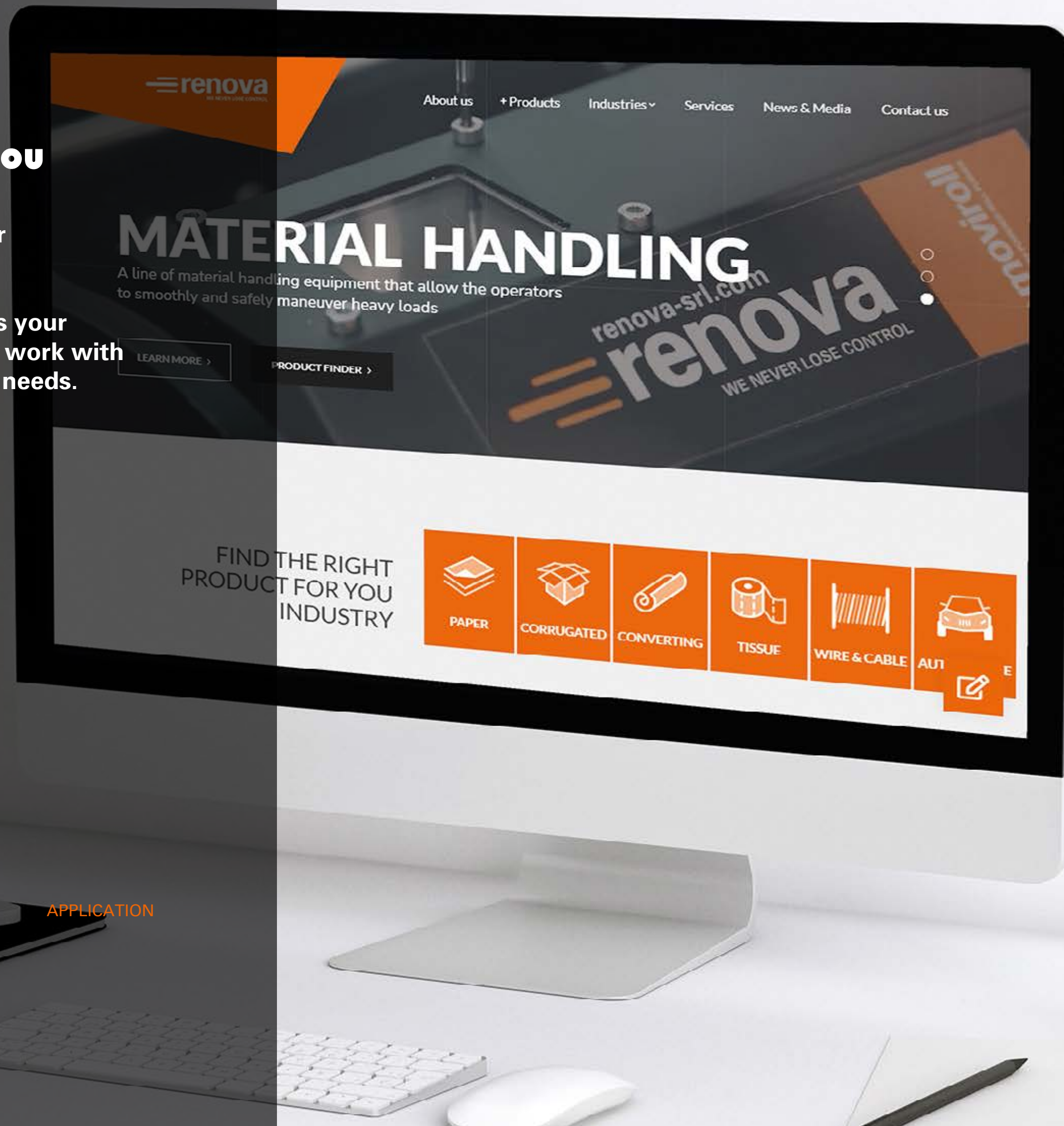


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APPLICATION





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