

Gruniverpal worldwide:
our distribution network



GRUNIVERPAL TRANCHERO s.a.s.
via Provinciale Verzuolo, 2 - 12026 Piasco - Cuneo - Italy
Tel. + 39 0175 79301 - Fax. +39 0175 797948
info@gruniverpal.it - www.gruniverpal.it

Designed by Partners, Turin



Lift Systems



Research, innovation, quality. In a word Gruniverpal.

1954: Antonio and Jacques Tranchero founded the company that specializes in the production of electrohydraulic lifting equipment for workshops and industrial applications. Gruniverpal becomes synonymous with exclusive *made in Italy* products that are able to anticipate sector trends. In the sixties, thanks to its record of patents and machines, Gruniverpal was repeatedly awarded the gold medal at the International Grand Prix of Inventions. Production is diversified: new product ranges from mobile cranes to aerial platforms to special lifting machines, in particular for lifting moulds. All this according to a strictly 'on demand' concept of the project and the product: a winning philosophy. The basis for which is Gruniverpal's technology, an international level of excellence.

The most tangible expression of an industry leader that operates according to a vision with broad horizons. Every morning, in fact, those working at Gruniverpal know that: "The future begins today".

The protagonists: people, ideas, products.

Watchword: forward-thinking. The know-how developed over sixty years of success with over 700 patents is the lodestar for the new generation of managers, engineers and technicians who aim for excellence: from design, to materials, to performance. The customization of the product is the basis of every project: customization is favoured over seriality. Every customer - from large to medium-sized businesses - has their own specific needs: their demands are the real driver to invest in research and ensure flexibility in the offer. It is the result of the perfect combination of people, ideas and products, thanks to which Gruniverpal is a reference point for different sectors: from plastics and tyre moulding to automotive, from aeronautics to the military sector. Welcome to Gruniverpal.

The leader chosen by leaders.



Gruniverpal.
Technology of the future. Since 1954.



GRUNIVERPAL QUALITY, CERTIFIED QUALITY.

The entire range of Gruniverpal machines is certified according to the following international standards:



Minidrel S Series

For presses with clamping forces from 180 to 2400t.

The proper solution for absolute precision positioning of press moulds during lifting operations: from plastic injection producers to aluminium foundries.

Top of the range, it is the most advanced high-technology expression, thanks to which Gruniverpal has strengthened its leading position on the market.



PATENTED SUPERIOR QUALITY

Standard on all Gruniverpal mould-handling equipment:

- 'Condec' system controlled deceleration: the total absence of sway during the transfer and lifting phases of moulds. For maximum

integrity of the mould during positioning on the press.

- 'Boostrib' System: ability to exceed the rated payload by 15% in case of emergency for maximum operator and load safety.



STRENGTHS

- Payload and working radius 100% calibrated according to: type of press, height over columns, mould size.
- Perfect load verticality in every telescopic boom position: maximum precision, zero sway even in the final centring phase.
- Steady mould lifting throughout the lifting operation at any height when complying with the maximum payload limits.
- Instrument panel/wireless remote control: proportional and simultaneous movement control. Remote mould changes, maximum operator safety, millimetric centring.
- Customizable telescopic boom reach: mould changes both in a transversal and frontal position relative to the press.
- Patented roll-over protection system: automatic "overload" shutdown.
- Overall dimensions: 50% less than standard forklifts and cranes with a comparable lifting capacity.

MODEL	20S	25S	40S	50S	60S	75S	100S	120S	150S	200S	350S
FOR PRESSES WITH CLAMPING FORCES UP TO:	300 t	500 t	650 t	750 t	900 t	1,000 t	1,200 t	1,600 t	2,000 t	2,200 t	2,400 t
ACTUAL MAX. CANTILEVERED PAYLOAD	2,000 kg at 500 mm	2,500 kg at 1,350 mm	4,000 kg at 1,350 mm	5,000 kg at 1,350 mm	6,000 kg at 1,350 mm	7,500 kg at 1,350 mm	10,000 kg at 1,350 mm	12,000 kg at 1,300 mm	15,000 kg at 1,300 mm	20,000 kg at 1,250 mm	35,000 kg at 1,250 mm
NOMINAL MAX. PAYLOAD ACCORDING TO INTERNATIONAL STANDARDS	2,000 kg at 500 mm	5,000 kg at 500 mm	7,000 kg at 600 mm	8,500 kg at 600 mm	10,000 kg at 600 mm	12,500 kg at 600 mm	15,000 kg at 600 mm	18,000 kg at 600 mm	21,000 kg at 600 mm	30,000 kg at 600 mm	50,000 kg at 600 mm
MAXIMUM LIFTING HEIGHT	3.8 m	4.8 m	4.8 m	4.8 m	4.8 m	5.5 m	5.5 m	5.5 m	5.5 m	6.2 m	6.2 m
MAXIMUM WORKING RADIUS	3.0 m	5.0 m	5.0 m	5.0 m	5.0 m	5.0 m	6.0 m	6.0 m	6.0 m	6.0 m	6.0 m
MAXIMUM FOOTPRINT	1.60 x 0.95 m	2.20 x 1.41 m	2.50 x 1.43 m	2.72 x 1.43 m	2.97 x 1.43 m	3.23 x 1.49 m	3.54 x 1.49 m	4.16 x 1.78 m	4.16 x 1.78 m	4.86 x 2.00 m	6.13 x 2.40 m



GB series

For presses with clamping forces up to 180t.

A machine with large-scale design for small-scale operations. The GB Series embodies the calling to share in detail our customer's needs. High degree of performance in tight spaces: ideal both in the plastics industry and in industrial maintenance applications. Another challenge overcome by Gruniverpal's research and technology.

STRENGTHS

- Hydraulic turret rotation up to 270°.
- No stabilizers: easy movement of the machine even with a mould rotated on its transfer axis.
- Instrument panel/wireless remote control: total control of electrohydraulic movements (including transfer).
- Fully automatic and proportional movements: rapid manoeuvring time.
- Maximum flexibility in tight spaces (machine footprint equal to a EUR-pallet).
- Patented roll-over protection system: rotation phase control and automatic "overload" shutdown.



MODEL	GB 100	GB 150	GB 300	GB 500	GB 750
FOR PRESSES WITH CLAMPING FORCES UP TO:	50 t	80 t	100 t	150 t	180 t
ACTUAL MAX. CANTILEVERED PAYLOAD	100 kg at 1,500 mm	150 kg at 1,500 mm	300 kg at 1,000 mm	500 kg at 1,000 mm	750 kg at 1,000 mm
MAXIMUM LIFTING HEIGHT	2.6 m	2.6 m	3.8 m	3.8 m	3.8 m
MAXIMUM WORKING RADIUS	1.5 m	1.5 m	3.0 m	3.0 m	3.0 m
MAXIMUM FOOTPRINT	1.30 x 0.82 m	1.30 x 0.82 m	1.40 x 0.85 m	1.40 x 0.95 m	1.40 x 1.20 m



TRANSIDREL Series

For presses with clamping forces up to 4,000t.

The heavyweight of Gruniverpal's technology for frontal and lateral handling of large-dimension moulds with weights up to 80,000kg. This operation - thanks to the ability to install forks mounted on the rotating turret - is performed by a single piece of lifting equipment whose dimensions are reduced by over 50% compared to a traditional forklift.



MODEL	50B	80B	100B	300B	350B	400B	500B	800B
FOR PRESSES WITH CLAMPING FORCES UP TO:	750 t	1,000 t	1,600 t	2,400 t	3,200 t	3,600 t	4,000 t	4,000 t
ACTUAL MAX. CANTILEVERED PAYLOAD AT 400mm	5,000 kg	8,000 kg	10,000 kg	30,000 kg	35,000 kg	40,000 kg	50,000 kg	80,000 kg
FRONTAL AND LATERAL MOVEMENT	SI	SI	SI	SI	SI	SI	SI	SI
MAXIMUM LIFTING HEIGHT	ON DEMAND	ON DEMAND	ON DEMAND	ON DEMAND	ON DEMAND	ON DEMAND	ON DEMAND	ON DEMAND
MAXIMUM FOOTPRINT	2.60 x 1.40 m	2.80 x 1.60 m	3.00 x 1.60 m	2.80 x 2.40 m	3.05 x 2.40 m	3.05 x 2.40 m	3.32 x 2.40 m	7.80 x 3.40 m

STRENGTHS

- Frontal/lateral bi-movement of the load.
- Mould pushers with independent and/or synchronized control: mould insertion and extraction between the press columns.
- Automatic self-levelling stabilizer system in each of the machine's mould positions: automatic control of the plane with respect to the frontal and lateral axes.
- Steered-wheel or rail-mounted versions.
- Ability to install forks on a turret able to rotate up to 270° and automatic advancement of the load.
- Wireless proportional remote control: control of all movements at a distance (including traction and steering).





A product range in pole position

Gruniverpal's technology is also one step ahead in the tyre vulcanization market. For this reason, it is the brand chosen by the world's largest manufacturers of tyres and inner tubes: motorcycles, light vehicles, cars, trucks

and heavy equipment, earthmoving, civil engineering, aviation. What's more, Gruniverpal is a benchmark for tyre manufacturers for competition and Formula 1 racing cars: the winning choice for those who choose only to win.



STRENGTHS

- Payloads and reaches calculated according to the type of press and tyre mould.
- Proportional movement control: millimetric and instantaneous centring of the mould on the press.
- Patented telescopic boom with integrated hook: lower overall height inside the press, less sway.
- Ability to transport two moulds simultaneously: optimization of mould changes on the presses.
- Steady lifting of the mould at any height of the lifting range when complying with the maximum payload.
- Control via control panel/wireless remote control: remote mould change, maximum operator safety.
- Patented roll-over protection system: automatic shutdown of certain movements in case of "overload".
- Specific lift height and telescopic boom adjustable to individual needs.



MODEL	GB 150	GB 500	25S	40S	60S	MINIDREL 75S	50B	90B	125B	TRANSIDREL 120000
APPLICATION	Change centre mould	Change centre mould	Moulds motorcycle auto light vehicle	Moulds auto light vehicle heavy equipment	Moulds auto light vehicle heavy equipment	Moulds auto light vehicle heavy equipment	Moulds auto light vehicle heavy equipment	Moulds auto light vehicle heavy equipment	Moulds auto light vehicle heavy equipment	Transport moulds Civil engineering
ACTUAL MAX. CANTILEVERED PAYLOAD	150 kg at 1,500 mm	500 kg at 1,000 mm	2,500 kg at 1,350 mm	4,000 kg at 1,350 mm	6,000 kg at 1,350 mm	7,500 kg at 1,350 mm	5,000 kg at 500 mm	9,000 kg at 900 mm	12,500 kg at 900 mm	150,000 kg at 0 mm
MAXIMUM LIFTING HEIGHT	2.6 m	3.8 m	3.6 m	3.6 m	3.6 m	3.6 m	5.2 m	6.2 m	7.2 m	-
MAXIMUM WORKING RADIUS	1.5 m	3.0 m	2.5 m	2.5 m	2.5 m	2.5 m	3.5 m	5.0 m	6.0 m	-
MAXIMUM FOOTPRINT	1.30 x 0.82 m	1.40 x 0.95 m	2.20 x 1.25 m	2.55 x 1.43 m	2.97 x 1.43 m	3.25 x 1.49 m	3.15 x 1.35 m	3.81 x 1.35 m	3.61 x 1.85 m	7.70 x 2.40 m





MINIDREL B Series

Up to 50000 Kg payload.

This mobile crane is unique in its class thanks to a patented lifting system that guarantees a lifting capacity of up to 40% more

than traditional cranes of equal size. Compactness and manoeuvrability attest to the superior quality of Gruniverpal.



STRENGTHS

- More than 70 versions available with payloads of up to 50,000kg for either standing or seated operator.
- High performance even on inclined planes: pedal controlled, power-assisted and squared steering system with reverse control.
- Next-generation wireless proportional remote control: control of all movements at a distance (including traction and steering).
- Extensive customization with over 300 catalogue options available.
- Patented Multipos system: pedals and hydrostatic controls can be operated on both the right and left of the crane. Easy manoeuvring, maximum visibility even with bulky loads.
- Patented Anti-Momentum system: automatic blocking of certain movements in the event of load sway, even in the case of “overloading” or poor ground contact.

A RECORD-WORTHY PRODUCT RANGE

Unique in Europe, Gruniverpal equips all Minidrel B models with:

- Right or left seated operating position: more visibility during manoeuvring within industrial sites or while carrying bulky loads that reduce visibility.

- Turret able to rotate up to 220°.
- 4x4 traction: more “grip” and safety during both indoor and outdoor movement.
- Front stabilizers and payload increase of 25% more than nominal payload.



MODEL	20 B	30 B	50 B	75B	90B	125B	150B	250B	400B
ACTUAL MAX. CANTILEVERED PAYLOAD	2,000 kg at 500 mm	3,000 kg at 500 mm	5,000 kg at 1,000 mm	7,500 kg at 1,000 mm	9,000 kg at 1,000 mm	12,500 kg at 1,000 mm	15,000 kg at 1,000 mm	25,000 kg at 1,000 mm	45,000 kg at 1,000 mm
MAXIMUM LIFTING HEIGHT	7.0 m	7.0 m	10.5 m	10.5 m	10.5 m	10.5 m	10.5 m	15.0 m	15.0 m
MAXIMUM WORKING RADIUS	6.0 m	6.0 m	8.0 m	8.0 m	8.0 m	8.0 m	8.0 m	10.0 m	10.0 m
MAXIMUM FOOTPRINT	2.00 x 0.95 m	2.20 x 1.41 m	3.00 x 1.35 m	3.37 x 1.35 m	3.55 x 1.50 m	3.61 x 1.85 m	3.61 x 1.85 m	4.55 x 2.20 m	4.85 x 2.40 m
TURRET ROTATION	NO	NO	190°	190°	210°	210°	210°	220°	220°
POWER SOURCE	DIESEL ELECTRIC	DIESEL ELECTRIC	DIESEL ELECTRIC	DIESEL ELECTRIC	DIESEL ELECTRIC	DIESEL ELECTRIC	DIESEL ELECTRIC	DIESEL ELECTRIC	DIESEL ELECTRIC



Gruniverpal: lifting champion

Special lifting equipment: another sector where Gruniverpal ensures the ultimate in technology, safety and reliability. Even in the most delicate lifting operations, the customer is relieved of any problem.



RAD 100.18-AX9

Nine-axis remote controlled robotic implement for micrometric controlled positioning of equipment up to 20m away.



GRUNIROT 20

Battery-operated electrohydraulic tugs for towing machines of up to 50t. Specific for heavy industrial and military applications.



MINIDREL 35SR

Towable trailer for civil, industrial and military maintenance applications. Working height up to 10m with residual payload of 1,000kg at 6m of cantilever.



CER 200

Nine-movement multifunctional biaxial transfer manipulator for positioning glass and objects of any shape weighing up to 300kg.



TITAN

Remote control truck with special wheels for reduced ground pressure. Payload up to 80t for the transport of industrial and military machinery.



TEL 12.300

Telescoping trolley for mounting antennas and satellite dishes for civil and military use. Max working height 12m, payload 700kg.



ELIDREL

The self-propelled aerial platform series with payload of up to 300kg and 20m in height. Patented large-working-radius lifting system.



PEF 500

Remote control hydraulic lift for industrial and logistic material handling. Payload up to 5000kg with a variable working height of up to 2m.



PEF 60000.170

Self-levelling lifting platform with the option of up to 30° of tilt control. Max payload of up to 100t and length of up to 30m.



ATEX SERIES

All Gruniverpal equipment can be customized to operate in explosion-risk areas according to any class and group classified by ATEX regulations.



MINIDREL TRC SERIES

Mobile crane series with rotating turret for the maintenance of assembly lines in the automotive sector. Payload of up to 5t and max. reach of 10m.



FORKIDREL

Self-propelled, 270° rotating forklift assembly with continuous track advance. Lift height of up to 10m and max. payload of 10t.

OPTIONAL

Gruniverpal: special features, not just details

A range of optionals reinforces the concept of 'on demand' in Gruniverpal's design and production. Every single detail is viewed as a personalized response to customer needs.



PLATFORM FOR MINIDREL S

A platform series that can be equipped with magnets mounted on the automatic feed implement for the removal and storage of ferrous materials.



WINCHES

Hydraulic winch series with payloads from 200kg to 50t installable on MINIDREL S and B series. Compact versions are available for special uses.



JIB

Additional boom can be installed on any hydraulic or manual control crane. Payload of up to 10,000kg and the option of special implements.



Mould CARRYING TOOLS

On demand mould handling tools with mechanical or hydraulic movements and a payload of up to 20,000kg. Specific for use in the tyre construction industry.



FRONTAL TABLE EXTENSION

Tilting table with payload of up to 25t. Specific for MINIDREL S and B series. Optional installation of pushers.



SPECIAL IMPLEMENTS

On demand special implements with hydraulic control of up to 6 movements and a payload of up to 5t. Adaptable on any machine for any type of application.



REMOTE CONTROL

Wireless remote control with up to 16 functions in fanny pack or push button versions for proportional control of any movement.



SPECIAL MANIPULATORS

Removable manipulators with pneumatic, hydraulic or mechanical controls for the handling and grasp of any type of object and machinery.



ULTRASONIC SENSORS

Ultrasonic sensors of up to 2,000mm can be installed in any position on the machine. More safety during movement.



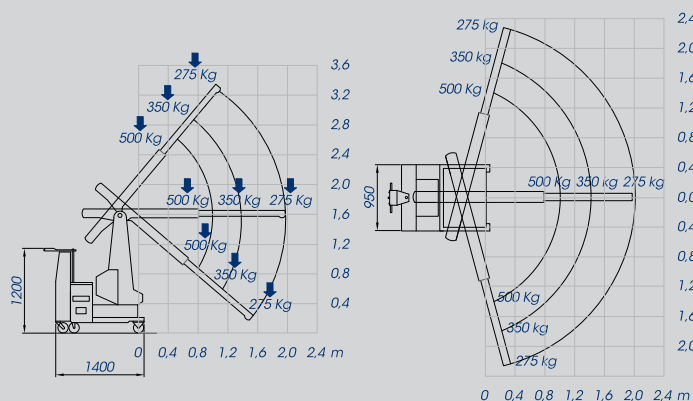
JOYSTICK SIMULATORS

Joystick simulator series with electronic or hydraulic control for both civil and industrial aeronautics testing.

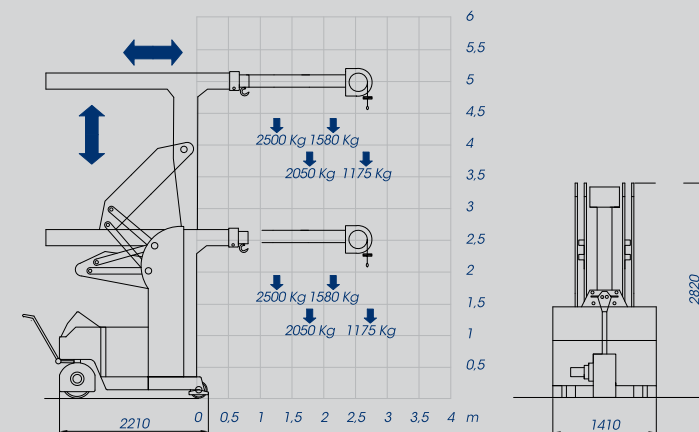
WORKING DIAGRAMS

The potential of Gruniverpal machines expressed in some working diagrams.

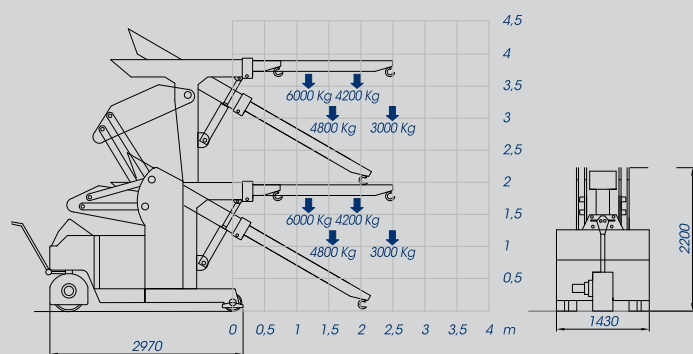
GB 500 TR



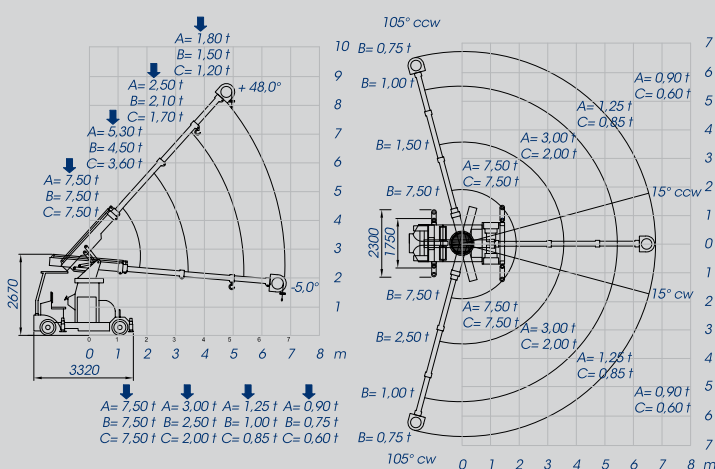
MINIDREL 25S 3X1



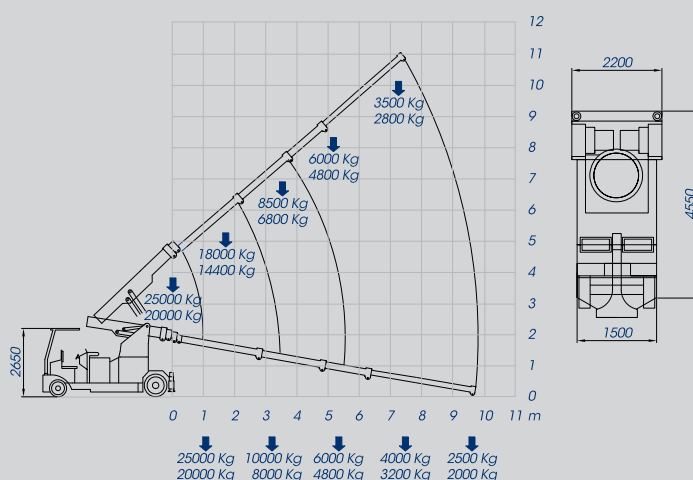
MINIDREL 60S ARR 5X1 TYRES



MINIDREL 75B 4X4 TRS



MINIDREL 250B ARR 6X4 STD



TRANSIDREL 500BV 6X4

