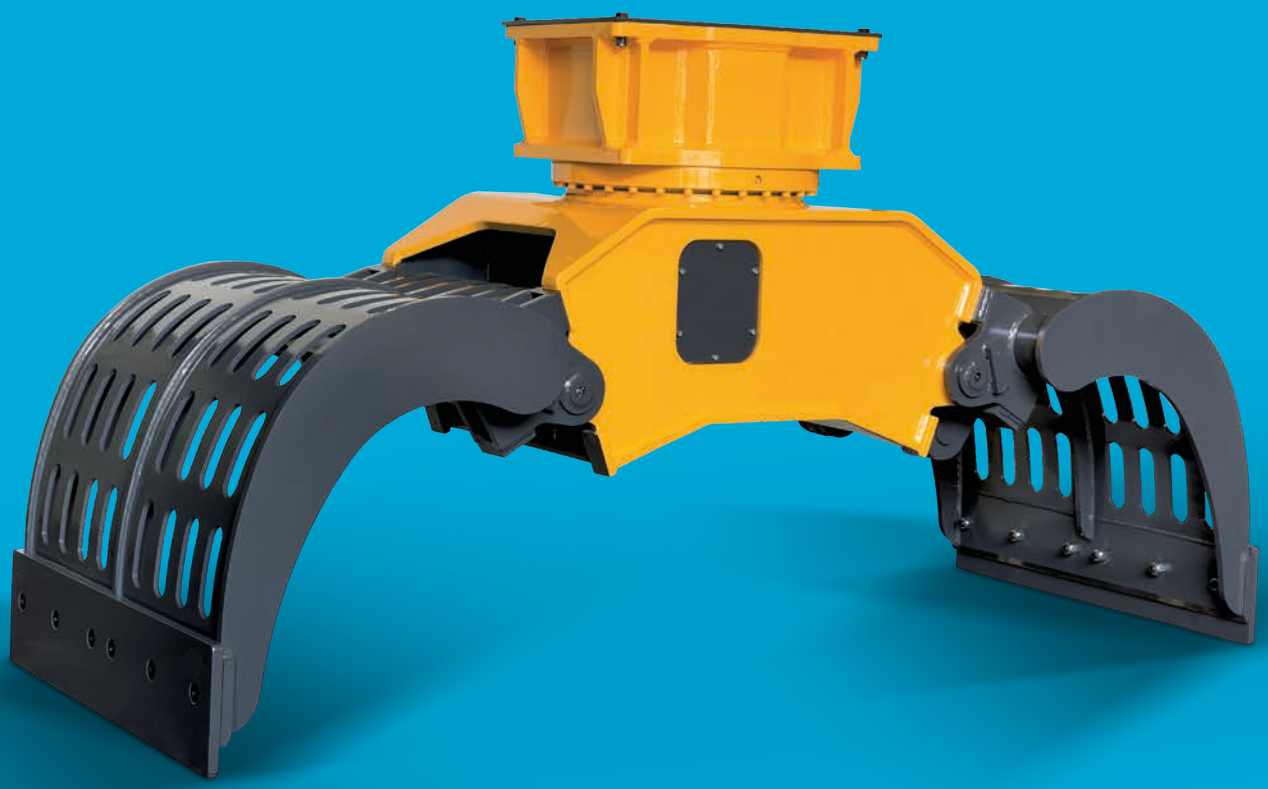
Multi Grabs

IMG S - Sorting Jaws
IMG D - Demolition Sorting Jaws
IMG H - Material Hanling Jaws
IMG L - Loading Jaws
IMG T - Timber Jaws



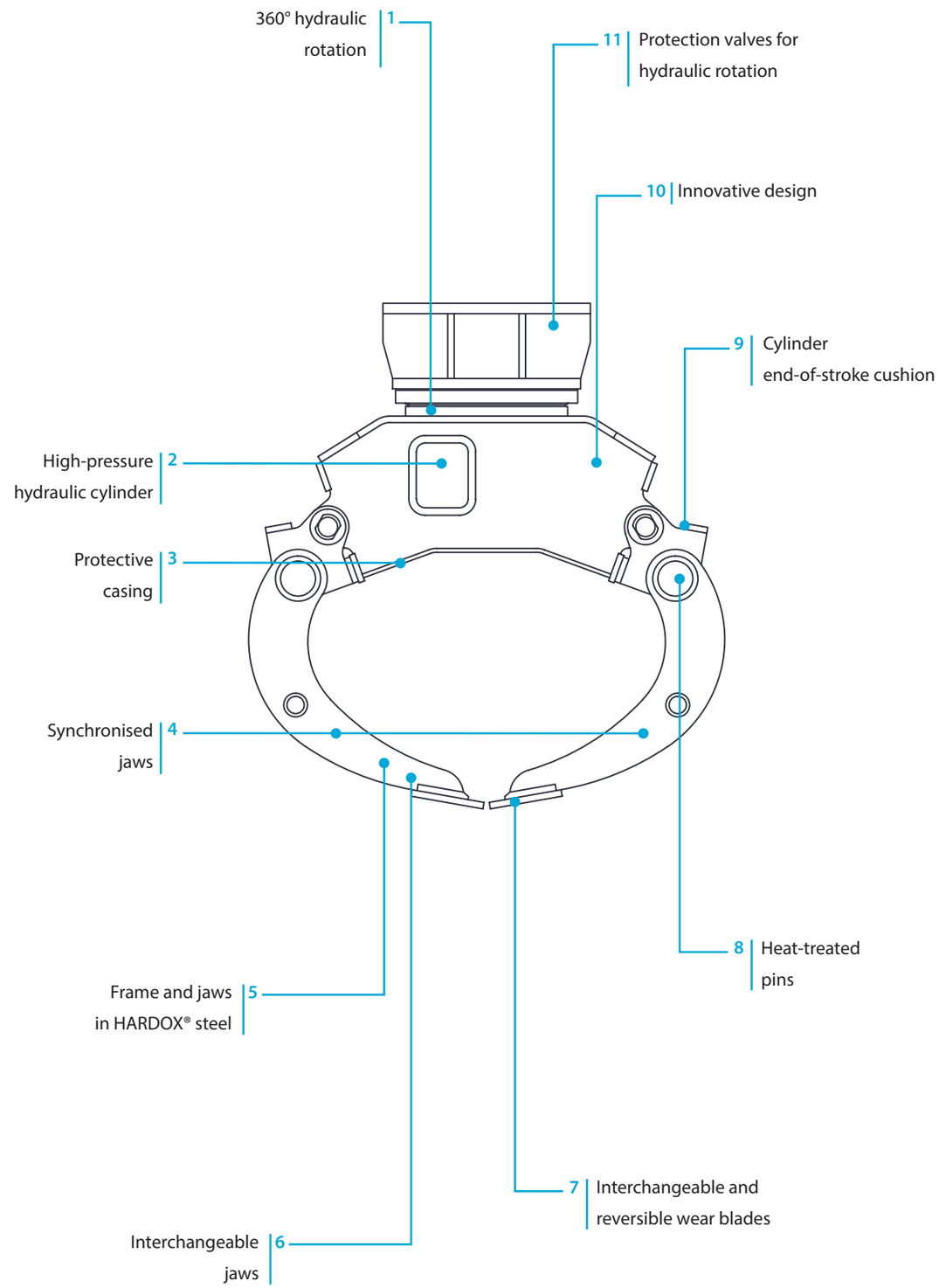
INDECO
ATTACHMENT SOLUTIONS
a wipro hydraulics company

IMG jaws

Years of experience have enabled Indeco to meet the specific demands of the market by designing and developing – with all our usual excellence in terms of innovation, quality and reliability – this line of equipment for a wide range of sectors, from demolition to forestry jobs. The five different models of Indeco IMG jaws run on the same hydraulic system, an upgrade compared with the previous IDG system, combined with the 360° rotation mechanism found on all of Indeco's other rotating products. Its innovative design features, specifically created to handle each product variant, and its use of special HARDOX® wear-resistant steels, have helped to combine some key features such as outstanding robustness and light weight, as well as above-average payload and gripping force. Its exceptional manoeuvrability, its mounting bracket compatible with other Indeco products, the efficiency of its hydraulic system which ensures maximum precision in handling and is cheap to run – just some of the extra qualities that make Indeco IMG jaws such safe and reliable partners.
Having such a wide range of models, in each of the five product variants, means there is always a perfect combination for your carrier, no matter what size it is.

Characteristics of Indeco's Multi Grabs

The full 360° hydraulic rotation |1| ensures better grip in all working conditions. The high-pressure hydraulic cylinder |2| improves gripping and demolition force. The hydraulic system is equipped with protective casing |3| for the cylinder and internal linkages. The synchronised jaws |4| enable smooth movements and handling of thin materials. The frame and jaws |5| are made of HARDOX® wear-resistant steel. The interchangeable jaws |6| are available in 5 different versions depending on the material to be handled and the specific use required. The wear blades |7| are interchangeable and reversible, and you can mount teeth for better efficiency and reduction of maintenance costs. The pins |8| are heat-treated to improve strength. The cylinder is equipped with an end-of-stroke cushion |9|. The innovative design |10| provides better grip, easier handling, and an above-average load volume. The hydraulic rotation mechanism is equipped with protection valves |11|.



Technical Data	IMG 300	IMG 400	IMG 600	IMG 1200
Type of carrier	1 3	1 3	1 3 4	4 5
Excavator weight	2 ÷ 6 ton	3 ÷ 10 ton	5 ÷ 16 ton	12 ÷ 22 ton
Maximum working pressure	220 bar	300 bar	300 bar	300 bar
Maximum oil delivery	30 l/min	30 l/min	50 l/min	70 l/min
Hydraulic connections for cylinder	3/8″	1/2″	1/2″	3/4″
Maximum rotation pressure	100 bar	100 bar	100 bar	100 bar
Maximum rotation oil flow	10 l/min	10 l/min	10 l/min	20 l/min
Hydraulic connections for rotation	3/8″	3/8″	3/8″	1/2″
Maximum force at blade/teeth	2100 Kg	3000 Kg	4000 Kg	6000 Kg
Compatibility of attachment plate with hammer	HP 400	HP 900	HP 900	HP 2000 - HP 2500

Technical Data	IMG 1700	IMG 2300	IMG 2800
Type of carrier	4 5	5	5
Excavator weight	17 ÷ 30 ton	22 ÷ 40 ton	26 ÷ 50 ton
Maximum working pressure	320 bar	350 bar	350 bar
Maximum oil delivery	80 l/min	130 l/min	160 l/min
Hydraulic connections for cylinder	3/4″	3/4″	3/4″
Maximum rotation pressure	110 bar	110 bar	110 bar
Maximum rotation oil flow	20 l/min	30 l/min	30 l/min
Hydraulic connections for rotation	1/2″	1/2″	1/2″
Maximum force at blade/teeth	7000 Kg	10000 Kg	12000 Kg
Compatibility of attachment plate with hammer	HP 2000 - HP 2500	HP 3000 ÷ HP 4000	HP 3000 ÷ HP 4000

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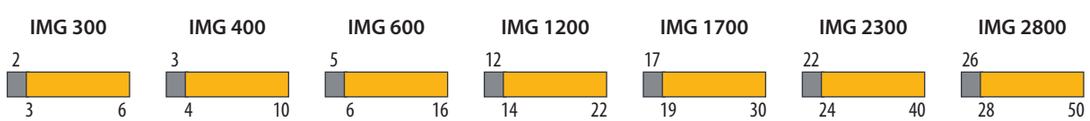
Carrier key

Compact excavator | Miniloader | Backhoe loader | Wheeled excavator | Tracked excavator

Compatibility

Suggested uses on machines with an overall weight (in ton):



Best | Possible (match subject to approval by the Indeco dealer)

IMG S - Sorting jaws

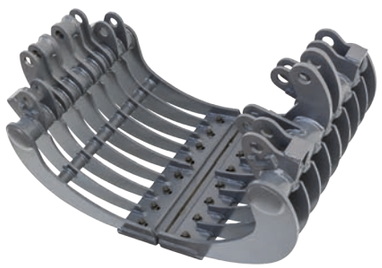
Indeco IMG S sorting jaws are the ideal tools for sorting waste materials from demolition work, from clearing stony ground, and from dredging of rivers and seas.

Sorting Jaws	IMG 300 S	IMG 400 S	IMG 600 S	IMG 1200 S
Attachment operating weight*	285 kg	380 kg	570 kg	1140 kg
Load capacity	130 l	190 l	320 l	620 l
Jaw width	800 mm	900 mm	1070 mm	1300 mm
Maximum opening	1400 mm	1500 mm	1700 mm	2200 mm
Depth	550 mm	600 mm	700 mm	900 mm

Sorting Jaws	IMG 1700 S	IMG 2300 S	IMG 2800 S
Attachment operating weight*	1610 kg	2180 kg	2650 kg
Load capacity	900 l	1350 l	1700 l
Jaw width	1470 mm	1630 mm	1750 mm
Maximum opening	2500 mm	2700 mm	3000 mm
Depth	1000 mm	1100 mm	1200 mm

IMG D - Demolition Sorting Jaws

Indeco IMG D demolition sorting jaws are ideal for light demolition jobs, such as demolishing wood and brick structures, and can also be used to select and handle waste materials. Their unique structure, outstanding manoeuvrability, power and high payload are ideal for recycling and recovery.



Demolition Sorting Jaws	IMG 300 D	IMG 400 D	IMG 600 D	IMG 1200 D
Attachment operating weight*	300 Kg	400 kg	600 kg	1200 kg
Load capacity	130 l	190 l	320 l	620 l
Maximum opening	1400 mm	1500 mm	1700 mm	2200 mm
Depth	550 mm	600 mm	700 mm	900 mm

Demolition Sorting Jaws	IMG 1700 D	IMG 2300 D	IMG 2800 D
Attachment operating weight*	1700 kg	2300 kg	2800 kg
Load capacity	900 l	1350 l	1700 l
Maximum opening	2500 mm	2700 mm	3000 mm
Depth	1000 mm	1100 mm	1200 mm

*The operating weight of the equipment includes mounting bracket compatible with Indeco construction standards. Any differences in weight may be due to a different mounting bracket configuration.

IMG H - 3+2 Material Handling Jaws

Designed to facilitate handling of large objects such as scrap metal, vehicles for demolition, and other demolition scrap, their hydraulic rotation system and the strength of their interlocking teeth provide a safe powerful grip.

Material Handling Jaws 3+2	IMG 300 H	IMG 400 H	IMG 600 H	IMG 1200 H
Attachment operating weight*	320 kg	425 kg	640 kg	1280 kg
Maximum opening	870 mm	930 mm	1085 mm	1360 mm
Depth	540 mm	570 mm	660 mm	830 mm

Material Handling Jaws 3+2	IMG 1700 H	IMG 2300 H	IMG 2800 H
Attachment operating weight*	1800 kg	2450 kg	2990 kg
Maximum opening	1550 mm	1710 mm	1840 mm
Depth	950 mm	1050 mm	1130 mm

IMG L - Loading Jaws

The geometry of the Indeco IMG L loading jaws is designed for maximum load, making them ideal for moving earth, gravel, sand, mud, boulders, agricultural and industrial waste, urban waste, minerals, etc.

Loading Jaws	IMG 300 L	IMG 400 L	IMG 600 L	IMG 1200 L
Attachment operating weight*	310 kg	415 kg	630 kg	1250 kg
Load capacity	150 l	190 l	320 l	620 l
Maximum opening	1400 mm	1500 mm	1700 mm	2200 mm
Depth	550 mm	600 mm	700 mm	900 mm

Loading Jaws	IMG 1700 L	IMG 2300 L	IMG 2800 L
Attachment operating weight*	1780 kg	2400 kg	2930 kg
Load capacity	900 l	1350 l	1700 l
Maximum opening	2500 mm	2700 mm	3000 mm
Depth	1000 mm	1100 mm	1200 mm

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IMG T - Timber Jaws

Designed to combine maximum gripping force with the lightest possible weight, Indeco IMG T grabs facilitate the handling of large tree trunks in forestry operations.

Timber Jaws	IMG 300 T	IMG 400 T	IMG 600 T	IMG 1200 T
Attachment operating weight*	310 kg	415 kg	630 kg	1250 kg
Maximum opening	870 mm	930 mm	1085 mm	1360 mm
Depth	540 mm	570 mm	660 mm	830 mm

Timber Jaws	IMG 1700 T	IMG 2300 T	IMG 2800 T
Attachment operating weight*	1780 kg	2400 kg	2930 kg
Maximum opening	1550 mm	1710 mm	1840 mm
Depth	950 mm	1050 mm	1130 mm

*The operating weight of the equipment includes mounting bracket compatible with Indeco construction standards. Any differences in weight may be due to a different mounting bracket configuration.

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Accessories

1 | Indeconnect system

New remote monitoring system, based on the principles of the Internet of Things, to prevent equipment obsolescence and keep high performance.

The **'Indeconnect'** system consists of a **device** equipped with 4G technology for a wireless connection to the network, to be mounted on the equipment, and a cloud-based **web platform** you can access from mobile devices (with an app) or from PC, that lets you view the data transmitted in real time by each installed device: working hours, working position in space, hydraulic oil temperature, ambient temperature, GPS position, and more.

Through Indeconnect you can:

- **Monitor productivity**, making sure each Indeco tool is working as intended
- **Check operations**, verifying in real time the various internal and external parameters of the equipment to make sure that it is used in optimal conditions and correctly
- **Increase security,** by remotely checking the position of the equipment through GPS
- **Plan maintenance**, monitoring the health of each Indeco tool in real time, also through the automatic alert and messaging system that lets you order spare parts and reduce machine downtime to a minimum
- **Optimise rental,** by supervising and monitoring the management of rented equipment.

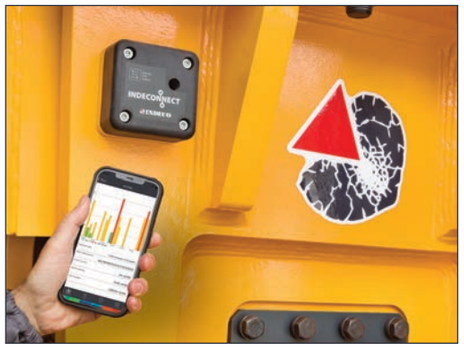
2 | Mounting brackets

Each mounting bracket model can be used with all Indeco products in the same class.

3 | Connecting hoses

We recommend using original Indeco high- and low-pressure hoses to connect various tools to the hydraulic system on the carrier.

1 |



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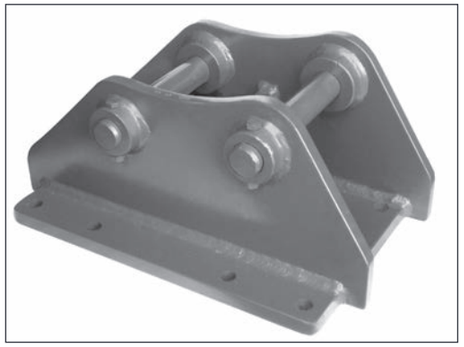
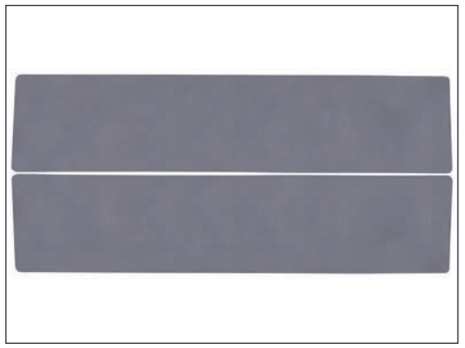


3 |

4 |



5 |

4 | Wear blades

Interchangeable and reversible wear blades for greater efficiency and lower maintenance costs; teeth can be mounted.

5 | Quick change teeth - IMG

Teeth with quick-change inserts are available upon request. Easy to replace during maintenance, they are ideal for use in quarries, where the equipment is subject to consistently high levels of wear and tear.

Application areas

			S	D	H	L	T
Demolition & renovation	Light Demolition	• Demolition of masonry structures		○			
		• Brickwork		○			
		• Natural stone		○			
		• Renovation of interiors		○			
		• Autoclaved aerated concrete					
	Demolition of non-reinforced concrete structures	• Primary demolition of lightweight and standard concrete		○			
		• Primary demolition of heavyweight concrete					
		• Wall elements		○			
		• Secondary demolition		○			
	Composite steel & concrete structure demolition	• Primary Demolition of Lightweight and Standard reinforced concrete					
		• Primary demolition of heavyweight steel - reinforced concrete					
		• Secondary Demolition floors, slabs and beams					
		• Separating rebars from pillars and struts					
		• Fiber-reinforced concrete					
		• Cutting rebars and steel reinforcements					
	Demolition of metallic buildings and structures	• Demolition of refineries					
		• Cutting of Metal and steel structures					
		• Cutting steel girders/beams					
		• Cutting reinforcements					
	Sorting and Loading	• Sorting	○	○			
		• Loading	○			○	
		• Waste handling	○		○	○	
		• Site clean-up	○		○	○	
	Pavement demolition	• Asphalt					
		• Concrete		○			
		• Composite surfaces		○			
Earth Moving and Construction	Earth moving works	• Trenching					
		• Ground excavation					
		• Floor leveling					
		• Soil compaction					
		• Trench compaction					
		• Loading soil or bulk material	○			○	
	Foundation works	• Building foundation excavation					
		• Ground leveling					
	Building construction	• Foundation pile driving					
		• Compaction around pillars					
Material Handling		• Loading soil or bulk material	○			○	
		• Handling rock or breakwaters			○	○	
		• Material transport, storage, positioning	○		○	○	
		• Timber log handling			○		○

			S	D	H	L	T
Infrastructures	Tunnelling	• Tunnel excavation					
		• Roof, face & rib scaling					
	Underwater application	• Dredging					
		• Dock deepening & extension					
		• Canal deepening & extension					
		• Loading soil or bulk material	○			○	
		• Handling rock or breakwaters			○	○	
	Trenching	• Oil & gas, water & sewage (deep trenching)					
		• Trenching					
		• Trench soil compaction					
	Road construction	• Pile driving and guard rail driving					
		• Asphalt repair					
		• Maintenance work (driveways, sidewalks and parking lots)					
		• Block paving					
Agriculture and Forestry	Gardening & Landscaping	• Fencing					
		• Ground excavation					
		• Rock breaking					
		• Pit planting					
		• Stump splitting					
		• Golf course maintenance					
		• Root and stump grinding					
		• Hedgerow clearance and rejuvenation					
		• Grinding of logging residues					
	Forestry	• Timber log handling			○		○
		• Maintenance of green area, small trees and brush					
		• Creation and upkeep of woodland corridors and firebreaks					
		• Tree clearing					
		• Vegetation clearing					
		• Branch clearing					
Recycling	Processing	• Scrap material processing					
		• Cutting tyres					
		• Processing rail cars					
		• Processing cars, trucks and general automotive					
		• Cutting tanks					
		• Cutting of railway tracks, tramway rails, and underground rails					
	Handling and sorting	• Scrap material handling	○		○		
		• Scrap material sorting			○		
		• Urban waste	○		○		
		• Industrial waste	○		○		
		• Wood and tyres			○		○
	Downsizing and sorting	• Material downsizing and sorting in recycling quarries					
	Recycling of ferrous material	• Recycling of ferrous material					
	Car dismantling	• Material handling and sorting					

IMG S| Sorting Jaws IMG D| Demolition Sorting Jaws IMG H| Material Handling Jaws 3+2

IMG L| Loading Jaws IMG T| Timber Jaws

The complete range of Indeco products

Products	Weight/Length
HP Hydraulic hammers	from 59 to 11050 Kg
IFP fixed pulverisers	from 750 to 4550 Kg
IRP rotating pulverisers	from 570 to 4500 Kg
IDC Primary Demolition Crusher	from 900 to 7200 Kg
IMP Multiprocessor	from 1500 to 4900 Kg
IMP Mutiprocessor Car Dismantler	1500 Kg
IHC fixed compactors	from 200 to 1280 Kg
IHC R rotating compactors	from 425 to 1520 Kg
IMG S-D-H-L-T Multi Grabs	from 285 to 2990 Kg
ISS Shears	from 480 to 11000 Kg
IRC rail cutters	from 4200 to 4300 Kg
IMH Mulching Heads	from 385 to 1930 Kg
IBS boom systems	from 3,3 to 14,3 m*

*Lengths can be customised on the basis of the customer's needs.

EN

Quality Management
System Certification
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Member of

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AUTHORISED DEALER

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