

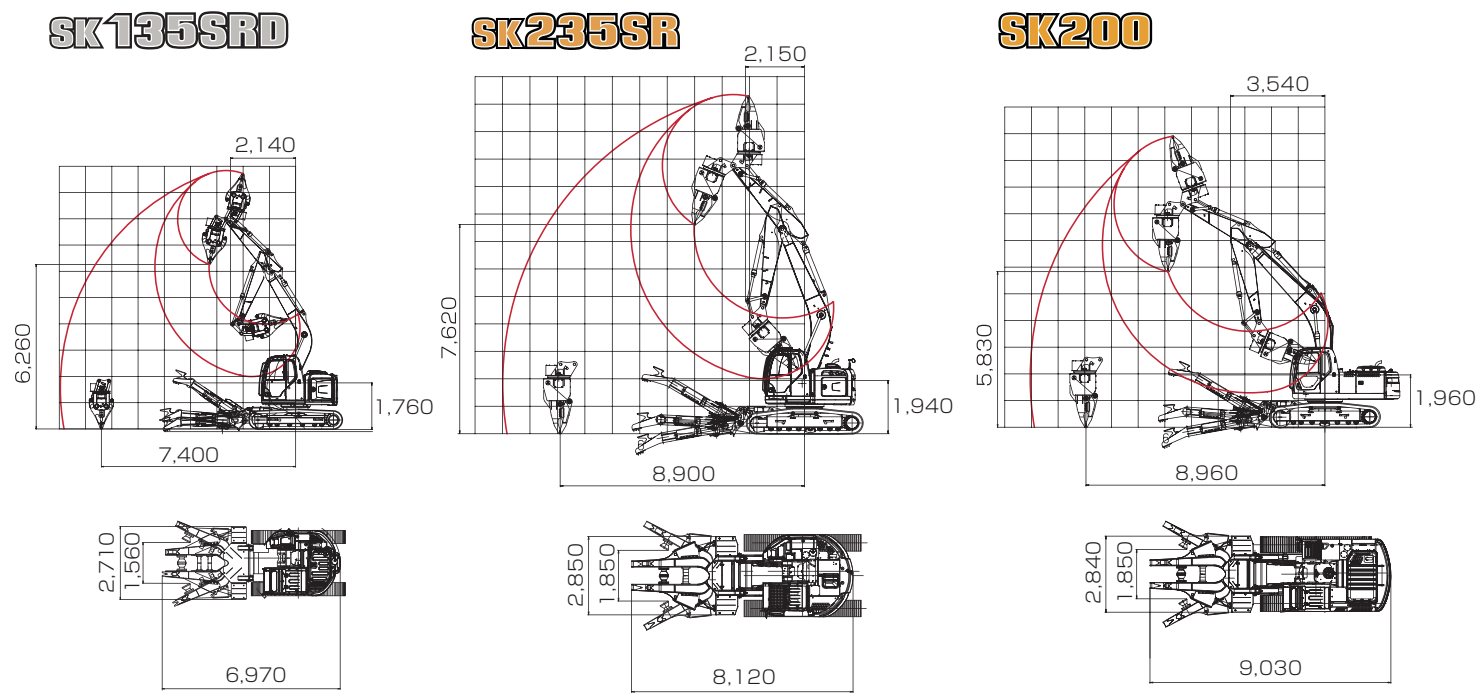
SK135SRD SK235SR SK200

MULTI-DISMANTLING
MACHINE

■ Main Specifications

Model		SK135SRD	SK235SR		SK200	
Type		SK135SRD-3	SK235SR-2		SK200-8	
Operating weight		kg 19,600	32,900		28,400	
Swing speed		min ⁻¹ {rpm} 11.0 {11.0}	11.8 {11.8}		12.5 {12.5}	
Travel speed		km/h 1st. 3.4 / 2nd. 5.6	1st. 3.4 / 2nd. 5.5		1st. 3.6 / 2nd. 6.0	
Gradeability		% (degree)	70 (35)			
Engine	Type	Mitsubishi D04EG	HINO J05E			
	Rated power output	kW/min ⁻¹ {PS/rpm} 69.2/2,000 {92.8/2,000}	114/2,000 {155/2,000}			
Fuel tank		L 200	330		370	
Relief valve setting		MPa {kg/cm ² }	34.3 {350}			
Hydraulic oil tank (system)		L 126.7 (85.2)	230 (114)		230 (146)	
Dimensions	Overall length	mm 10,770	12,940		12,960	
	Overall width	mm 2,710	3,000		2,840	
	Overall height	mm 3,060	3,660		3,660	
	Tail swing radius	mm 1,600	1,850		2,820	
Working ranges	Installed attachment	KHE750PR	KV720PR	KV800PR	KV720PR	KV800PR
	Max. vertical working range	mm 7,400	8,900	8,960	8,960	9,010
	Max. operating height	mm 6,260	7,620	7,730	5,830	5,940
	Min. swing radius	mm 2,140	2,820	2,730	3,540	
	Working height of clamp arm	mm 1,760	1,940		1,960	
	Operating width of clamp arm	mm 1,560	1,850		1,850	

All values are given in the International System of Units (SI). Numbers in parentheses { } are given in conventional units.
The operating weight indicates a weight of the machine without a nibbler.



- Standard equipment
- Glass windows with shatter-proof film
 - Cab guard
 - Hosing for rotating nibbler
 - Boom and arm safety hoses
 - 500 mm/600 mm even height shoes
 - Multiple control
 - Automatic air conditioner
 - Travel alarm
 - Radio
 - Emergency hammer

Note: This catalog may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your areas. Please consult your nearest KOBELCO distributor for those items you require.
Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice.
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KOBELCO CONSTRUCTION MACHINERY AUSTRALIA PTY. LTD.

Unit 1/1 Foundation Place
PROSPECT NSW 2148
AUSTRALIA
Direct: +612 8863 4973
www.kobelco.com.au

Inquiries To:

KOBELCO

We Save You Fuel
Achieving a Low-Carbon Society

MULTI-DISMANTLING
MACHINE

SK135SRD SK235SR SK200



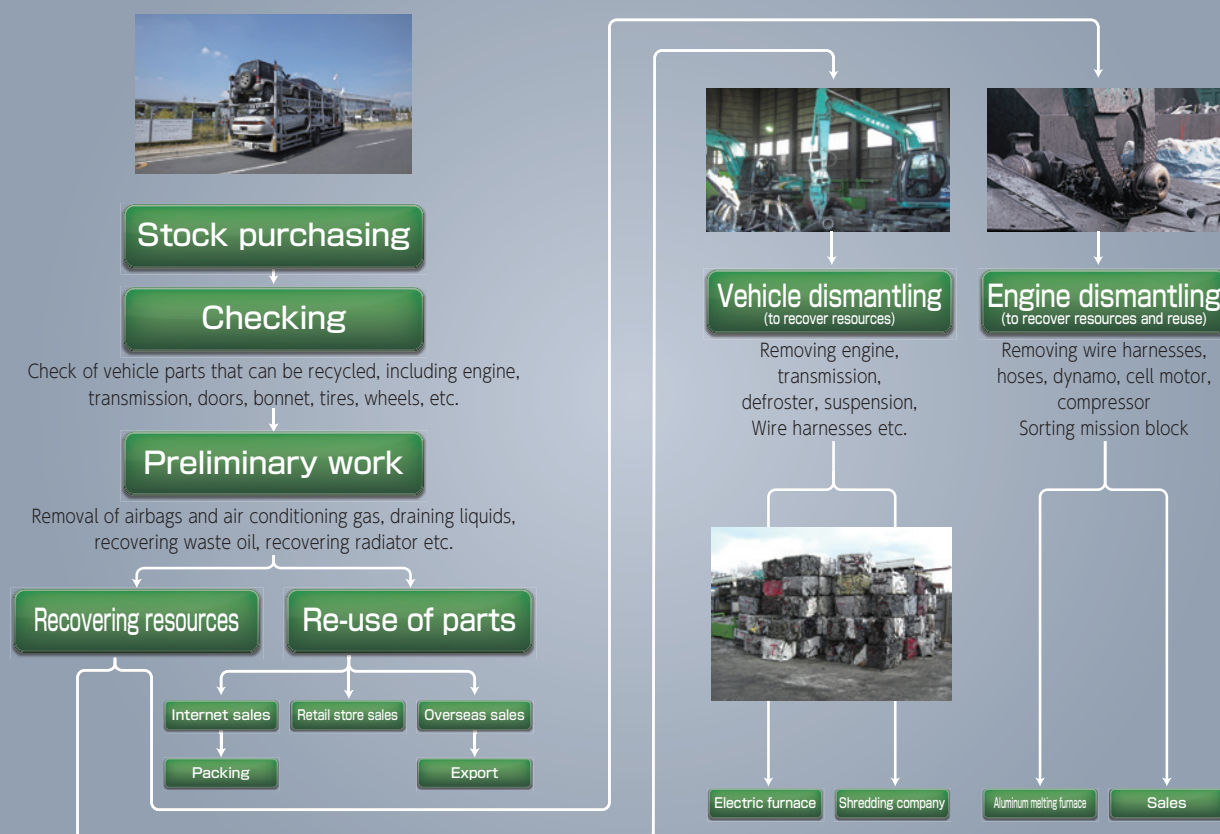
Full-scale metal recycling for the Australia of tomorrow!

KOBELCO's multi-dismantling machines convert end-of-life metal products into valuable resources

Australia, known for its rich natural resources, has enacted the Home Appliances Recycling Law in 2012, and it heads toward a resource recycling society for the benefit of the next generation. Strong development in the waste treatment and resource recycling industries is essential to make a successful changeover. In order to make metal recycling in Australia an attractive business, KOBELCO has begun supplying multi-dismantling machines to Australia. KOBELCO's multi-dismantling machines, which are actively used in Japan, effectively dismantle and sort metal from end-of-life automobiles as well as metal from motorcycles, trucks, railway cars, and used household appliances and equipment. By introducing KOBELCO's multi-dismantling machines, not only can the processing amount be increased considerably but other benefits including a higher recovery rate of rare earth metals, drastic reduction in operation costs, and improved working conditions and safety can be achieved. As proof of KOBELCO's excellent achievement, more than 1,000 machines have been supplied in Japan.



Vehicle Dismantling Procedure



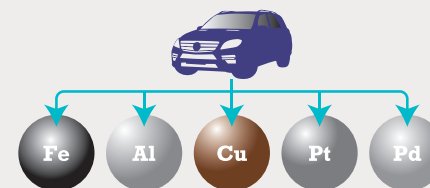
Active in dismantling various metal products, focusing on end-of-life vehicles

Vehicle dismantling

Approx. 4 times* the dismantling capacity compared with hand dismantling of passenger cars

One multi-dismantling machine can perform the work of multiple manual workers using tools and frame cutters to dismantle a vehicle. The multi-dismantling machine can handle various types of vehicles from passenger cars to buses and trucks. Not only material sorting is fast and precise, but ferrous materials, aluminum, copper, and even rare earth metals, such as platinum and palladium used as catalysts, can be recovered.

*: Comparison of a single day's work (KOBELCO test figures)



Engine dismantling

Approximately 10 times* faster than manual dismantling

The multi-dismantling machine dramatically improves the process efficiency by easily and smoothly separating engines, removing parts, cutting blocks, and sorting parts. As a result of the accurate and precise separating of parts, high quality aluminum ingots that are practically free of impurities such as zinc and copper can be obtained.

*: Comparison of a single day's work (KOBELCO test figures)



For dismantling complex equipment

Various metal products and equipment can be dismantled

In addition to end-of-life vehicles, the multi-dismantling machine is useful for dismantling various equipment such as agricultural equipment, motorcycles, bicycles, used household appliances including air conditioners, refrigerators and washing machines, vending machines, office equipment, household equipment and construction wastes.



Specialized nibblers designed for improved work efficiency

The multi-dismantling nibbler, with its pointed shape suited to perform small-scale separating and sorting, is equipped as a standard feature. A dedicated vehicle dismantling nibbler which produces a powerful grip, cutting force and rotational torque is optionally available for the SK235SR and SK200.



Multi-dismantling nibbler KHE750PR-2 (for SK135SRD)

Mass: 930kg
Opening width: 750mm
Cutting force: 255kN
Grabbing force (at tip): 88.3kN

- Shaped for fine, precise sorting of complex products such as engines, used household appliances, and equipment.
- Teeth tips designed to accurately grab and remove small parts and pieces.
- Designed for better handling of fine, meticulous work with lower weight and smaller crushing force.



Multi-dismantling nibbler KVE720PR (for SK235SR/SK200)

Mass: 1,850 kg
Opening width: 720 mm
Cutting force: 539 kN
Grabbing force (at tip): 196 kN

- Shaped to dismantle not only vehicles but also engines
- Tips designed to take firm hold of small parts such as harnesses and electrical fittings
- Automatic rotating type swiftly reaches ideal approach angle



Vehicle dismantling nibbler KV800PR (for SK235SR/SK200)

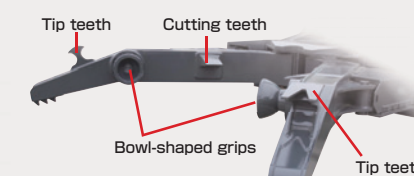
Mass: 2,100 kg
Opening width: 800 mm
Cutting force: 882 kN
Grabbing force (at tip): 372 kN

- Cutting force can cut through chassis and frame
- Powerful tip grab force crushes tires and tire rims
- Strong rotating torque makes easy work of extracting components

Open/close type clamp arms made to our own design



The clamp arms are equipped with an open/close function to securely hold down large objects to prevent movement. With the grips and teeth, even small objects can be held and cut.



Bowl-shaped grips:

Easy to pinch and hold an object. Parts can be easily removed by rotating front-to-back.

Cutting teeth:

Objects can be held and crushed by the powerful tip crushing force.

Tip teeth:

Two different shapes of teeth fitted on the top are useful for tearing, bending and folding.

Unified development for superior quality and service

KOBELCO develops the entire main body, clamp arm and attachments in-house in order to build a complete metal dismantling machine with high quality, energy-efficient design and smooth operations. Because of in-house development, a one-stop maintenance service is possible with all the necessary parts.

Fine control allows swift, point-perfect positioning

Attachment starts and stops are smooth, with no sudden speed changes in simultaneous operations. The smooth inching control can be done which is essential for small-scale work.

Incorporating the most advanced energy-saving technologies (SK135SRD)



KOBELCO's newest environmental engine and energy-saving hydraulic system achieve the highest energy saving performance

in its class. When the ECO mode is selected, not only fuel consumption but also CO₂ emissions are dramatically reduced.

Equipped safety measures to prevent the nibbler from hitting the operator's cab

When the nibbler comes close to the operator's cab during operation, an alarm will sound. To ensure operator's safety, the cab interference prevention system (standard feature) automatically stops the nibbler from hitting the cab.

Spacious cab protects the operator

The newly designed cab provides a spacious interior and a wide field of view. The cab is constructed of high strength materials and has additional grilles across two sides to protect the operator. Shatter-proof film covers the front and rear glass windows.