



**FASTER.
SAFER.
STRONGER.**

Decom Engineering's Essential Subsea Tooling Range

Unveiling our versatile range of subsea tools



DECOM
ENGINEERING

COMBUSTOR

Q1-46

Decom Engineering: Innovators in Subsea Cutting and Decommissioning

Bringing Visionary Engineering to Life

Since 2011, Decom Engineering has been redefining standards in subsea cutting and decommissioning through continuous innovation and technical excellence. Our mission is to provide tailored solutions that meet the most challenging underwater project demands while upholding industry-leading safety, precision, and efficiency standards. We offer a comprehensive range of C1 series chop saws and advanced lifting beams, designed to tackle various subsea cutting and pipeline recovery tasks with unmatched reliability and adaptability.

Our product portfolio supports a full back deck spread, equipped with all necessary support tools, including fully certified equipment and skilled personnel, to streamline your operations from surface to seabed. With global reach and a deep understanding of both local and international regulatory requirements, Decom Engineering is a trusted partner for decommissioning, cutting, and subsea engineering projects worldwide. Our equipment and services ensure that projects are completed on time, on budget, and with the exceptional quality that is our hallmark.

"Our latest product offerings embody Decom Engineering's commitment to precision, efficiency, and adaptability in subsea technology. From the versatile C1 series chop saws to our advanced lifting beams, these tools are built to deliver safety and performance in the field, creating real value for our clients worldwide. We're excited to see the impact these innovations will make on challenging projects across the globe."

Sean Conway - Managing Director



C1 - 12

A First to Market Innovation

Cutting capability 0" - 12" (50mm - 305mm)

Hydraulic requirements 100 L/min @ 210 bar

Weight in air 1220kg

Weight in water with integrated buoyancy 50kg

Dimensions 1924mm x 1651mm x 831mm

Blade Diameter 900mm

Nominal RPM 60

APPLICATIONS

- Pipe – coated or bare
- Jacket structures, box sections
- Casing
- Mooring chain
- Solid bars
- Umbilicals and cable

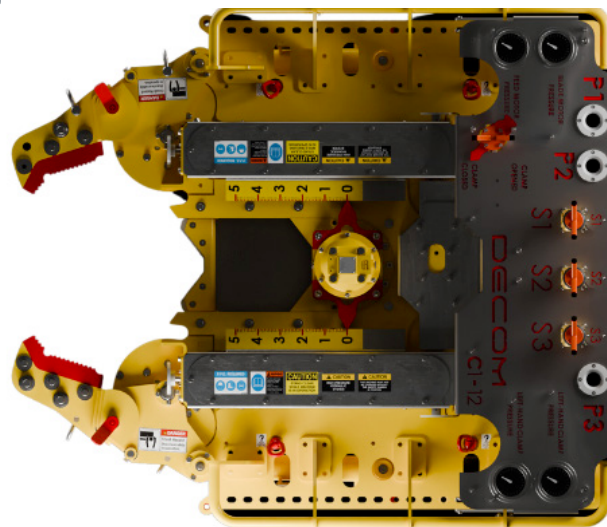
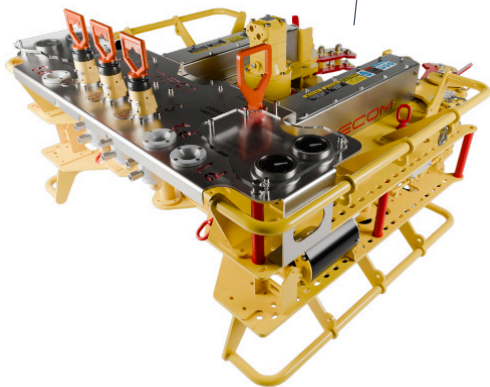
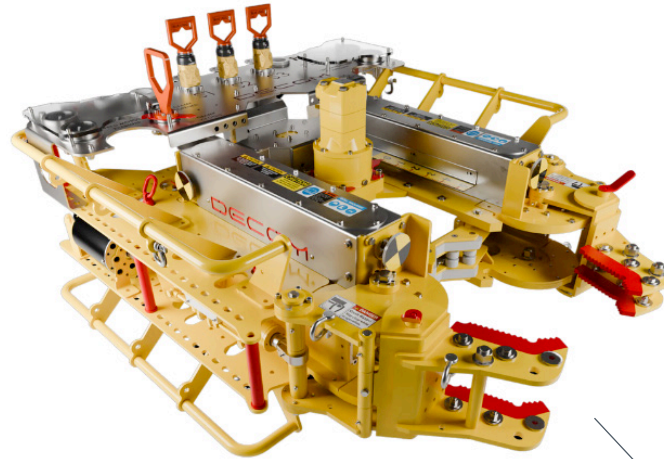
The Decom Engineering C1-12 Chopsaw revolutionises subsea cutting with its pioneering design, engineered specifically for materials ranging from 2" to 12" in diameter. This innovative tool sets a new standard with market-leading cut times across a variety of challenging materials, including inconels, duplex, and concrete.

Its customisable clamping system and versatile deployment options make it adaptable to a wide range of project requirements and environments, ensuring precise, reliable performance in even the most demanding conditions.

Specification Sheet

Features

- 0" to 12" cutting capacity
- Fast, clean, square cuts
- Market-leading cut times
- Up to 100 cuts per blade (application dependent)
- Operates topside or via ROV
- User-friendly control panel
- Robust shipping cage with spares
- Adaptable to various surroundings and structures
- Multiple lifting points for versatile deployment angles
- Customisable setup to meet project needs
- Adjustable clamping for various shapes and sizes
- Blade changes in 20-30 minutes



Product Benefits

- Large cost savings and increased efficiency due to multiple cuts per blade (up to 100 cuts, depending on application)
- Ability to complete an array of cuts whilst subsea or held in wet storage without returning to the surface
- The water cooling system reduces overheating and improves cutting performance for surface cuts
- Flexible setup and customisable clamping system allows efficient handling of various project requirements
- Quick blade change minimises downtime and maximises productivity
- Can cut vertically, horizontally, or at an angle, providing flexibility in challenging environments

C1 - 16UL

Built for Subsea Precision

Cutting capability 0" - 16" (0mm - 406mm)

Hydraulic requirements 60 L/min @ 210 bar

Weight in air 220kg

Weight in water with integrated buoyancy 70kg

Dimensions 1860mm x 1220mm x 620mm

Blade Diameter 1100mm

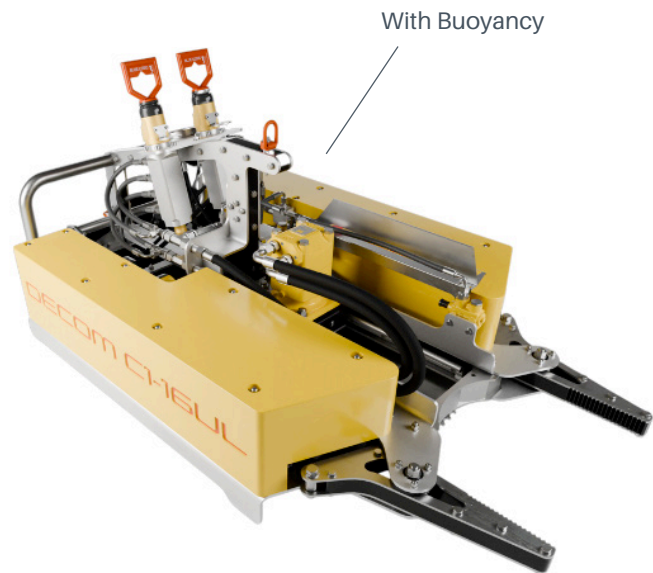
Nominal RPM 60

APPLICATIONS

- Mooring chain (In tension or slack)
- Flexible Flowlines
- Flexible Risers (In tension or slack)
- Carbon Steel Pipe
- PU Coated Pipe
- Super Duplex
- Restricted crane access cutting
- Inconels

The Decom Engineering C1-16 UL is a purpose-built subsea cutting tool, expertly designed to handle the demanding task of cutting flexible risers and mooring chains under tension, often found beneath floating structures, riser turret moorings (RTMs), and deepwater tensioned moorings (DTMs). Equipped with Decom Engineering's proprietary Tungsten Carbide Tipped (TCT) blade, the C1-16 UL ensures that each cut is not only fast but also exceptionally clean and precise.

This level of performance reduces the frequency of blade changes, significantly cutting down on operational downtime and minimising the need for saw recovery operations. The result is a more efficient, reliable cutting process that keeps your subsea operations running smoothly.

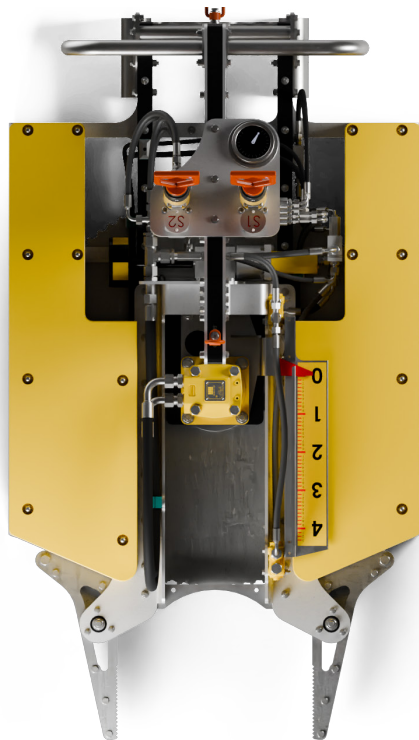


With Buoyancy

Product Benefits

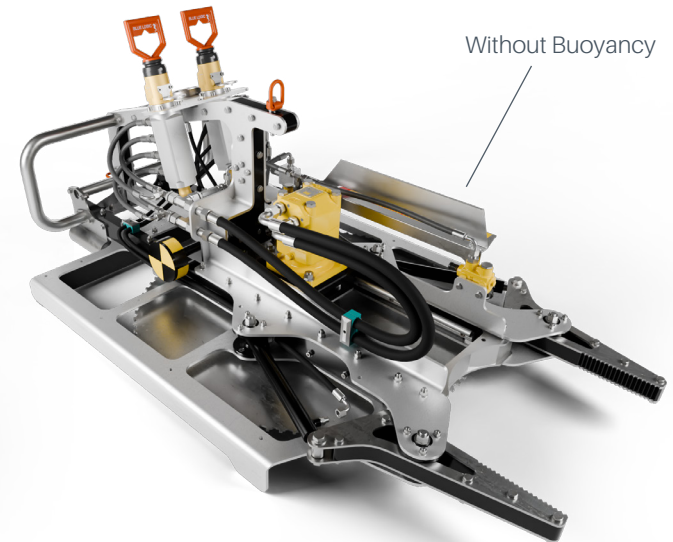
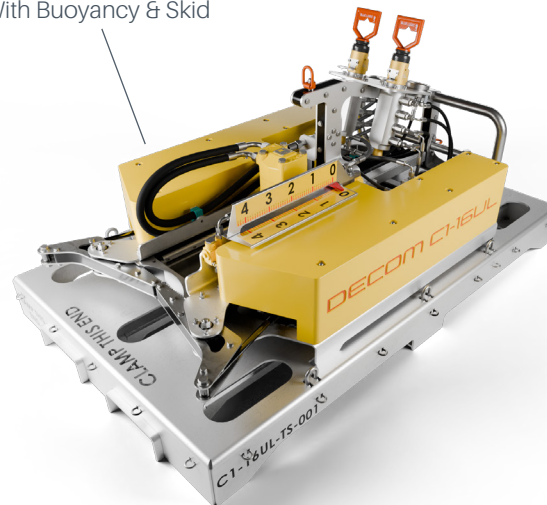
- High Efficiency and Cost Savings: Each blade is capable of performing between 20 to 100 cuts, depending on the application, significantly reducing costs and enhancing operational efficiency
- Versatile Cutting Orientations: Our technology allows for cuts to be made in any orientation, providing flexibility in various operational scenarios

- ROV Manoeuvrability: The equipment can be easily maneuvered by a remotely operated vehicle (ROV), eliminating the need for a crane and enabling access to challenging locations
- Quick Blade Changes: Blade changes are fast and efficient, taking only 5 minutes, which minimises downtime and maximises productivity
- Crane-Free Operation: Cuts can be performed in areas where crane access is not possible, offering greater versatility and adaptability in subsea operations



With Buoyancy

With Buoyancy & Skid



Without Buoyancy

C1 - 24

The Fleets Go-To

APPLICATIONS

- Pipe – coated or bare
- Jacket structures, box sections
- Casing
- Mooring chain
- Solid bars
- Umbilicals and cable

The Decom Engineering C1-24 Chopsaw stands at the forefront of subsea cutting technology, designed to handle materials ranging from 2" to 24" in diameter with unparalleled precision and efficiency. Engineered as our flagship model, the C1-24 has earned its reputation for delivering market-leading cut times across a diverse array of materials, including inconels, duplex, and concrete. Its robust construction and innovative features, such as a unique water cooling system and customisable setup options, ensure optimal performance in the most challenging subsea environments.

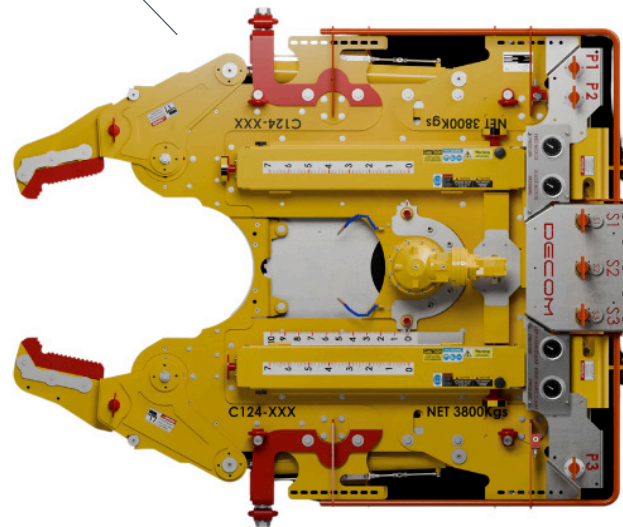
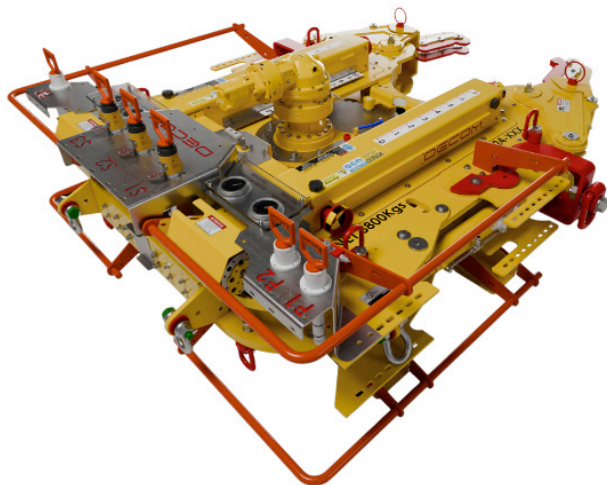
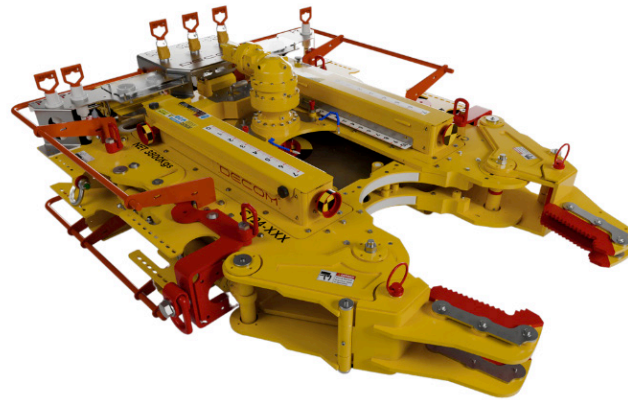
Deployed globally within our fleet, the C1-24 Chopsaw exemplifies reliability and versatility, meeting the demands of various offshore projects worldwide. Whether operated topside or by ROV, its operator-friendly design and adaptable clamping system facilitate seamless integration into different operational scenarios.

Cutting capability	0" - 24" (50mm - 610mm)
Hydraulic requirements	100 L/min @ 210 bar
Weight in air	3800kg
Weight in water with integrated buoyancy	100kg
Dimensions	3033mm x 2236mm x 1002mm
Blade Diameter	1520mm
Nominal RPM	27

Specification Sheet

Features

- 0" to 24" cutting capacity
- Fast, clean square cuts
- Market-leading cut times
- Up to 100 cuts per blade (application dependent)
- Operates topside or via ROV
- User-friendly control panel
- Robust shipping cage with spares
- Adaptable to various surroundings and structures
- Multiple lifting points for versatile deployment angles
- Customisable setup to meet project needs
- Adjustable clamping for various shapes and sizes
- Blade changes in 20-30 minutes



Product Benefits

- Large cost savings and increased efficiency due to multiple cuts per blade (up to 100 cuts, depending on application)
- Ability to complete an array of cuts whilst subsea or held in wet storage without returning to the surface
- The water cooling system reduces overheating and improves cutting performance for surface cuts
- Flexible setup and customisable clamping system allows efficient handling of various project requirements
- Quick blade change minimises downtime and maximises productivity
- Can cut vertically, horizontally, or at an angle, providing flexibility in challenging environments



C1 - 32

Advanced Buoyancy and Manoeuvrability

Cutting capability	0" - 32" (0mm - 813mm)
Hydraulic requirements	150 L/min @ 210 bar
Weight in air	5300kg
Weight in water with integrated buoyancy	0-50kg
Dimensions	4125mm x 3000mm x 2180mm
Blade Diameter	2100mm
Nominal RPM	20

APPLICATIONS

- Pipe – coated or bare
- Jacket structures, box sections
- Casing
- Mooring chain
- Solid bars
- Conductors
- Umbilicals and cable

The Decom Engineering C1-32 Chopsaw represents our pinnacle achievement in 2024, setting new benchmarks in subsea cutting technology. Designed to handle materials from 0" to 32" in diameter, this flagship model incorporates state-of-the-art features to deliver exceptional performance across diverse applications.

Engineered with advanced buoyancy capabilities, the C1-32 ensures seamless maneuverability with ROVs, eliminating the need for crane wires when buoyancy modules are attached. Its innovative design includes replaceable blade tips, reducing operational costs and downtime associated with blade maintenance.



With Buoyancy



Without Buoyancy

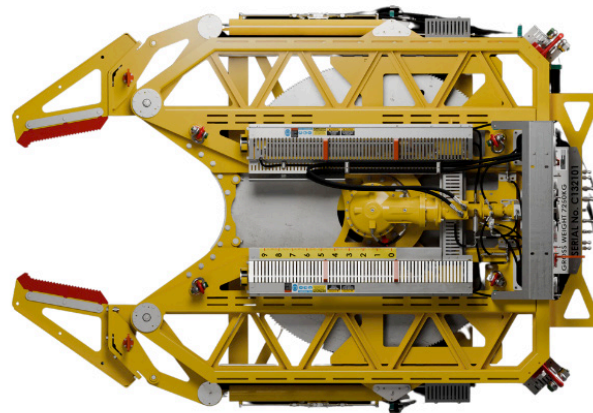
Product Benefits

- Multiple cuts per blade, up to 100 depending on application, leading to significant cost savings and increased efficiency
- Operated topside with an operator friendly control panel or by ROV
- Large cutting capacity (up to 32") offers flexibility for various applications
- Highly adaptable with customisable clamping and multiple lifting points for versatile deployment
- Neutrally buoyant in seawater, allowing easy maneuverability with an ROV without the need for a crane wire
- Replaceable blade tips eliminate the need for full blade replacement

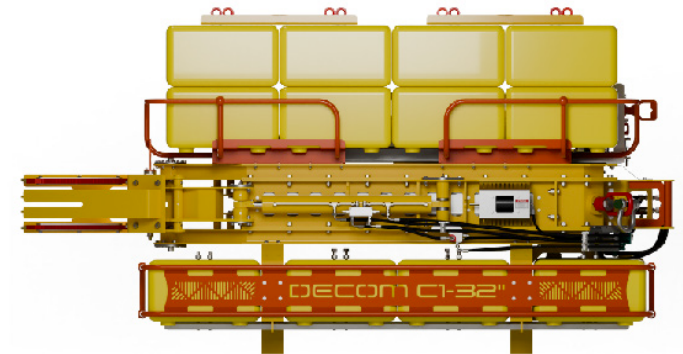
Features

- 0" to 32" capacity
- Fast and clean cut
- Buoyant design for easier subsea handling
- Market leading cut times
- Multiple cuts per blade: up to 100 depending on application
- Topside or ROV operated
- Operator-friendly control panel
- Highly adaptable to suit surroundings and structures
- Multiple lifting points located around the tool allowing a highly versatile angle of deployment
- Comes with a comprehensive spares package in a compact, robust transport cage.

Without Buoyancy



With Buoyancy



C1 - 46

A Giant in Chopsaw Technology

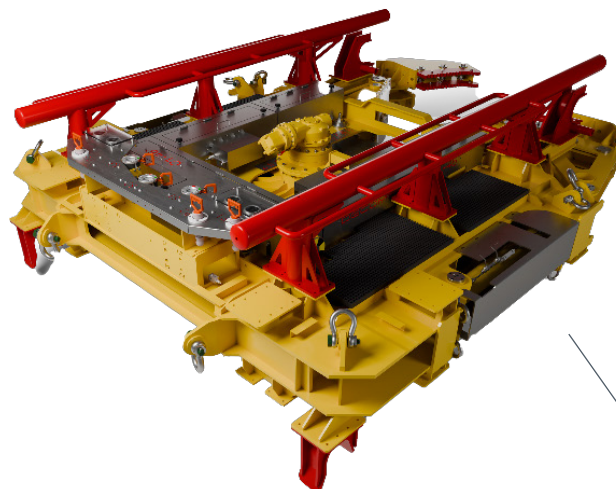
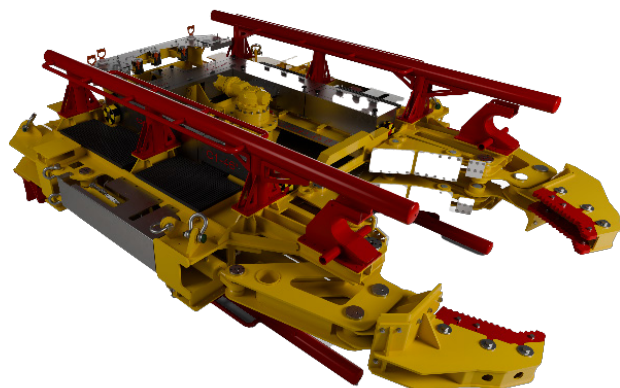
APPLICATIONS

- Pipe – coated or bare
- Jacket structures, box sections
- Casing
- Mooring chain
- Solid bars
- Conductors
- Umbilicals and cable

The C1-46 Chop Saw was developed in response to client-led needs, setting new standards in subsea cutting technology. Designed to handle large OD pipelines up to 46" in diameter, including those with concrete coating and steel rebar, the C1-46 is a game-changer in its field.

This saw boasts key features such as DNV certification for the highest safety and performance standards, rapid customisation of clamps to adapt to various project requirements, and hot stab integration for seamless and efficient operation. Its safe and robust landing frame ensures stability and security during operations, while blade innovation with segmented tip technology reduces deck handling and enhances cutting efficiency.

Cutting capability	20" – 46" (508mm – 1168mm)
Hydraulic requirements	200 L/min @ 210 bar
Weight in air	14340kg
Weight in water with integrated buoyancy	12082kg
Dimensions	6000mm x 4450mm x 2000mm
Blade Diameter	3050mm
Nominal RPM	10-13.5

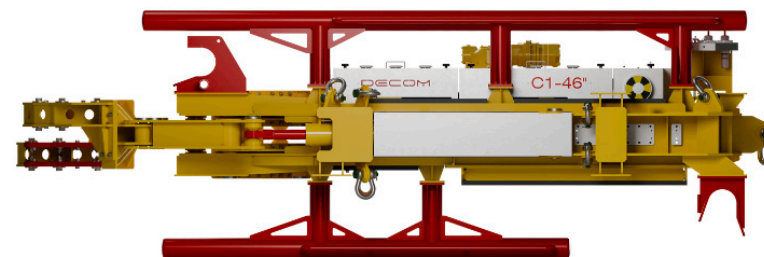
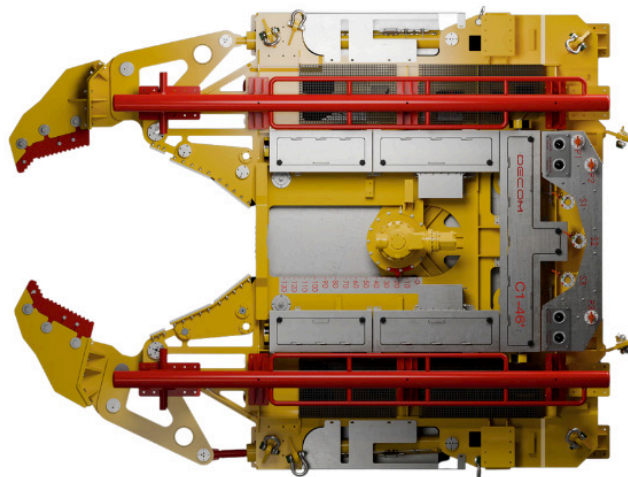


Product Benefits

- Multiple cuts per blade, up to 100 depending on application, leading to significant cost savings and increased efficiency
- Can complete an array of cuts whilst subsea or held in wet storage – without returning to the surface
- Changeable cutting tips extend blade life and reduce operational costs
- The C1-46 Chopsaw can be supplied set up in a number of configurations and settings to suit project requirements and work scope
- Customisable clamping system allowing the flexibility to clamp around a vast array of shapes and sizes
- Can cut vertically, horizontally or at an angle

Features

- 20" to 46" capacity
- Fast and clean cut
- Market leading cut times
- Multiple cuts per blade: up to 100 depending on application utilising changeable tips
- Topside or ROV operated
- Operator-friendly control panel
- Highly adaptable to suit surroundings and structures
- Multiple lifting points located around the tool allowing a highly versatile angle of deployment



C1-10T

Compact Track Saw Innovation



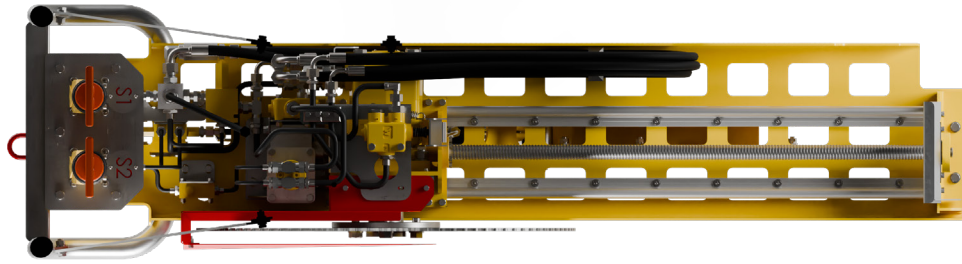
Dimensions	1858mm (L) x 915mm (H) x 502mm (W)
Cutting Track Width	350mm
Headroom Requirement	450mm
Maximum Thickness of Cut	150mm
Maximum Linear Cut Length	850mm
Weight	230Kg on surface, 200Kg in water
Blade Diameter	750mm TCT Blade
Hydraulic Requirements	60 L/min @ 210 bar
Nominal RPM	70

APPLICATIONS

- Flat Plate
- Gussets
- Rib Plates
- Standard Beam Section

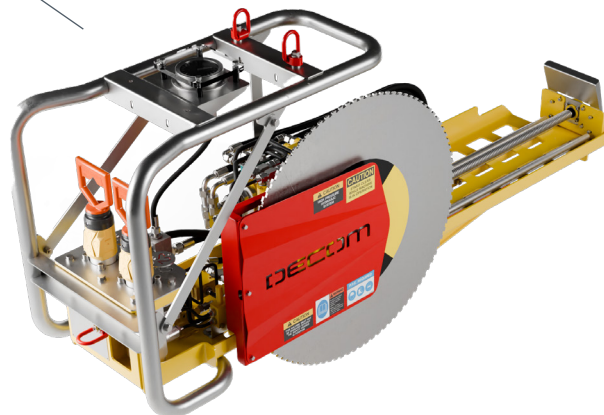
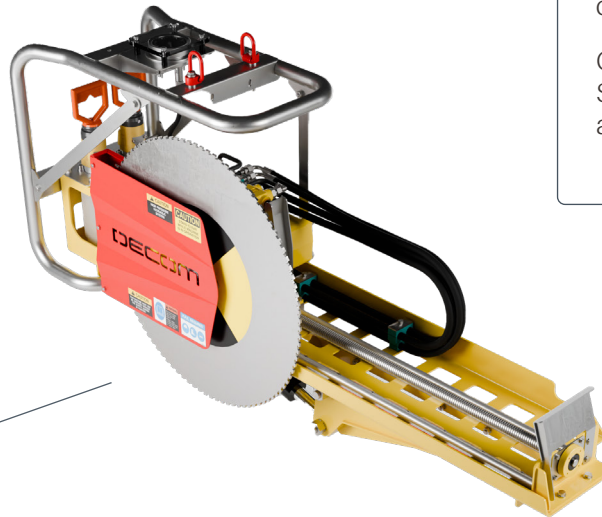
The C1-10T is the latest innovation in precision cutting, designed as the first of its kind in compact cutting technology. Combining high-torque power with unmatched versatility, the C1-10T is engineered for optimal performance in confined spaces and challenging environments. Its compact design allows it to fit into tight areas with minimal headroom, while maintaining precision and control through customisable clamps that secure it to the work surface.

Fabricated from high-strength Strenx steel, the C1-10T is built for durability in harsh environments, making it a reliable solution for both subsea and industrial projects. With the unique ability to remain clamped even when hotstabs are disconnected, the tool can be stored subsea between deployments, eliminating the need for recovery and maximising operational efficiency. Capable of performing both horizontal and vertical cuts, the C1-10T sets a new standard for efficient, reliable, and controlled cutting across a range of applications.



Features

- **Compact Design:** 350mm track width, 502mm total width, fits into tight spaces.
- **Customisable Clamping:** Secure attachment to various surfaces for precision cutting.
- **Subsea Storage:** Remains clamped without hotstabs, reducing retrieval needs.
- **Dual Cutting Capability:** Performs horizontal and vertical cuts for versatile applications.
- **High-Torque Hydraulic Motor:** Fast and efficient cutting performance.
- **Durable Construction:** Made from Strenx steel for enhanced strength and resilience.
- **Safety Mechanism:** Travel limit switch prevents damage by stopping the cutting head upon detecting obstacles.



Product Benefits

Fits Confined Spaces: Ideal for tight environments

Enhanced Precision: Secure clamping ensures consistent cuts

Cost-Effective Subsea Storage: Reduces downtime and operational costs

Versatile Cutting: Adaptable for various orientations and tasks

Fast Performance: High-torque motor speeds up cutting, improving efficiency

Durability: Long-lasting performance in harsh conditions



L16 - 20T

Cut and Recover
with Confidence

APPLICATIONS

- Pipeline recovery and retrieval from seabed
- Subsea decommissioning operations
- Offshore oil and gas pipeline cutting and salvage
 - Subsea structure removal
- Environmental seabed clean-up
- ROV-assisted recovery tasks

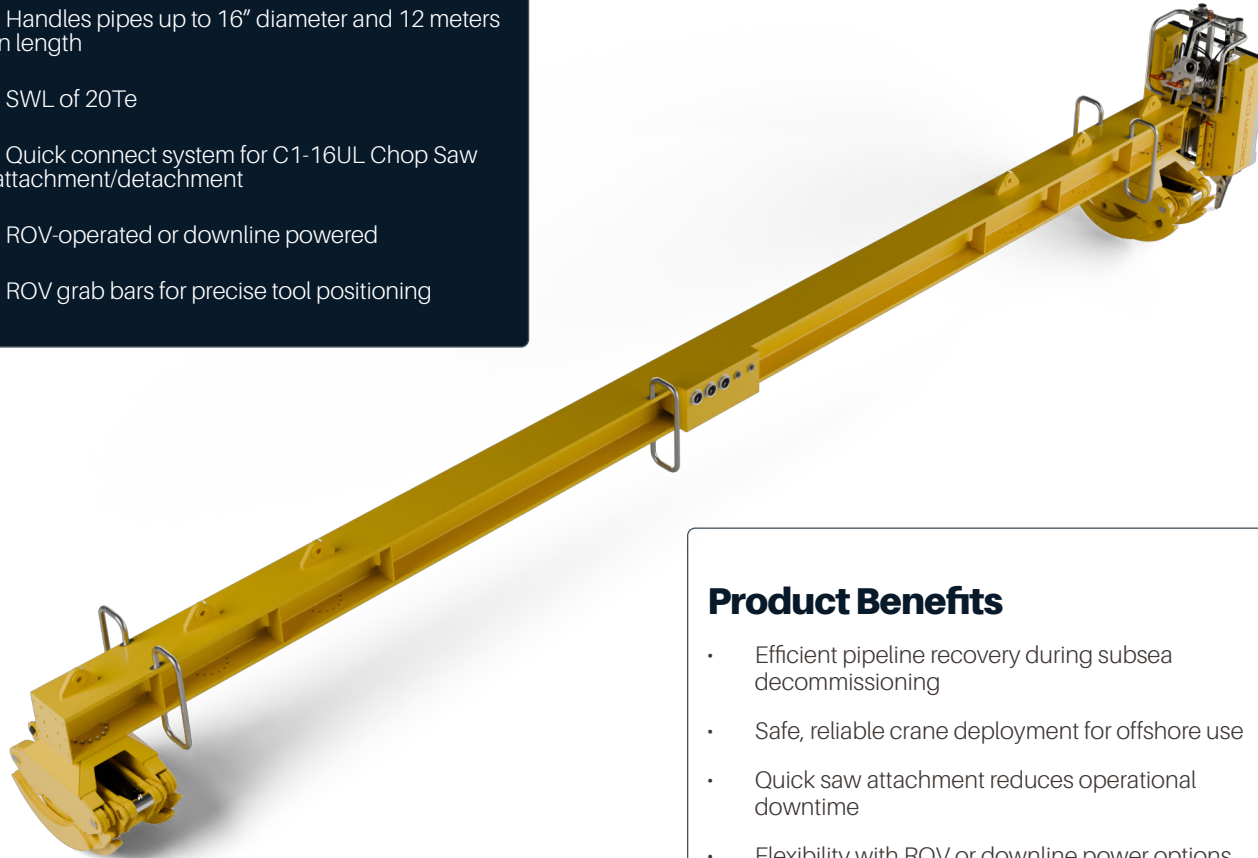
Decom Engineering’s L16-20 Pipe Recovery Lifting Beam is an advanced subsea tool designed to cut and recover pipelines up to 12m long with diameters up to 16”. Ideal for decommissioning operations, the crane-deployable tool is capable of recovering sections and returning them to the deck or a subsea basket.

Equipped with two pipe grabs at each end of the 12m beam, it has a Safe Working Load (SWL) of 20Te. The quick-connect system allows for seamless attachment and detachment of the C1-16UL Chop Saw, which comes with an 1100mm blade capable of making precise cuts through pipes up to 16” in diameter. The tool also includes ROV grab bars at both ends and near the hotstab panel, ensuring easy positioning and stabilisation by the ROV. It can be powered either by an ROV or configured for downline use, making it a versatile solution for subsea recovery projects.

Dimensions (with C1-16UL attached)	L12133mm x H1850mm x W1258mm
Weight in Air	2000kg
Weight in Water	1740kg
SWL	20Te
Max Fluid Pressure Delivery	60L/min @ 300 Bar
Cutting Capacity	0"-16" (0mm-406mm)
Hydraulic Requirements	60L/min @ 210 bar
Blade Diameter	1100mm
Nominal RPM	60

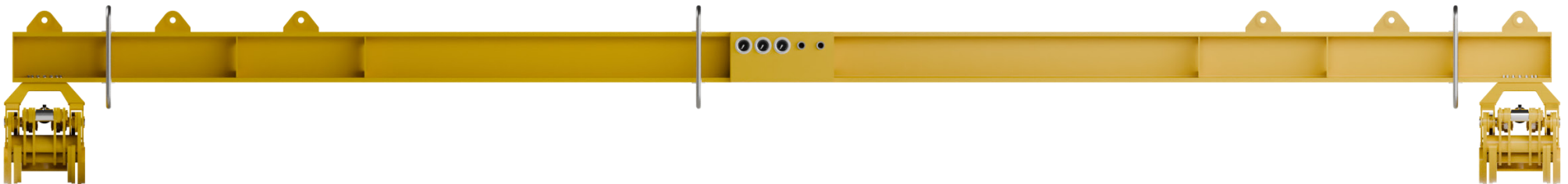
Features

- Crane deployable for easy subsea operation
- Handles pipes up to 16" diameter and 12 meters in length
- SWL of 20Te
- Quick connect system for C1-16UL Chop Saw attachment/detachment
- ROV-operated or downline powered
- ROV grab bars for precise tool positioning



Product Benefits

- Efficient pipeline recovery during subsea decommissioning
- Safe, reliable crane deployment for offshore use
- Quick saw attachment reduces operational downtime
- Flexibility with ROV or downline power options
- Simple, controlled ROV-assisted tool positioning



L24-20T

Cut and Recover
with Confidence

APPLICATIONS

- Pipeline recovery and retrieval from seabed
 - Subsea decommissioning operations
- Offshore oil and gas pipeline cutting and salvage
 - Subsea structure removal
 - Environmental seabed clean-up
 - ROV-assisted recovery tasks

The L24-20T Lifting Beam Pipe Recovery Tool from Decom Engineering represents a cutting-edge solution for complex subsea decommissioning and pipeline recovery operations. Engineered for high performance and reliability, this crane-deployable tool is built to handle pipelines up to 24 inches in diameter and 12 meters in length, efficiently cutting and recovering them from the seabed. Its integrated C1-24 Chopsaw, equipped with a powerful 1520mm blade, allows for precise cutting during recovery, streamlining operations and reducing time offshore.

With the ability to operate in the harshest conditions, this tool is designed for safety, durability, and ease of use, featuring robust pipe grabs, ROV grab bars for positioning, and the flexibility to be powered by an ROV or downlines. The L24-20T stands as a vital asset for complex offshore projects, ensuring seamless pipeline recovery while maximising operational efficiency.

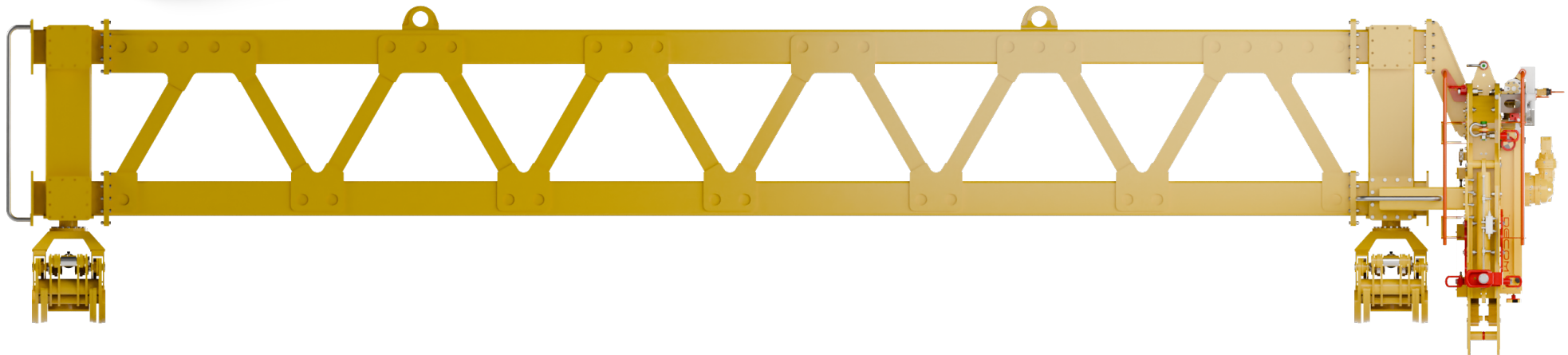
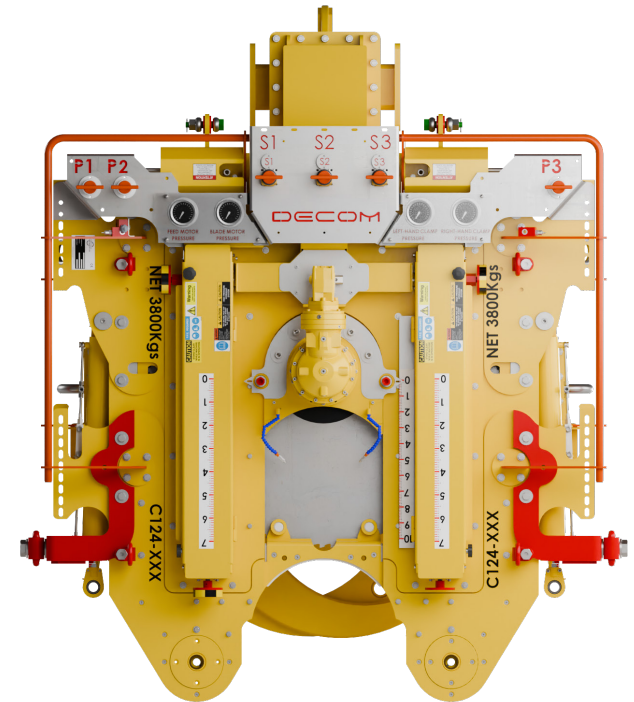
Dimensions (with C1-24attached)	L13321mm x H2500mm x W2620mm
Weight in Air	8500kg
Weight in Water	7400kg
SWL	20Te
Max Fluid Pressure Delivery	100L/min @ 300 Bar
Cutting Capacity	0" - 24" (0mm - 610mm)
Hydraulic Requirements	100L/min @ 210 bar
Blade Diameter	1520mm
Nominal RPM	27

Features

- Crane deployable for easy subsea operation
- Handles pipes up to 24" diameter and 12 meters in length
- SWL of 20Te
- Quick connect system for C1-24 Chop Saw attachment/detachment
- ROV-operated or downline powered
- ROV grab bars for precise tool positioning

Product Benefits

- Efficient pipeline recovery during subsea decommissioning
- Safe, reliable crane deployment for offshore use
- Quick saw attachment reduces operational downtime
- Flexibility with ROV or downline power options
- Simple, controlled ROV-assisted tool positioning





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