MOTOCUT

PILE CUTTERS

FOR CONCRETE & STEEL PILES



MOTOCUT

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Q-SERIES MODELS

Q-350



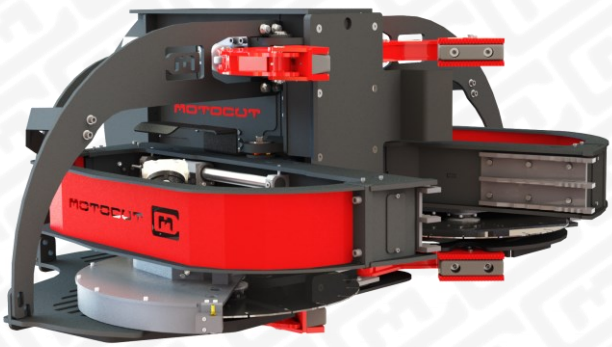
Q-350S



Q-400



Q-500S



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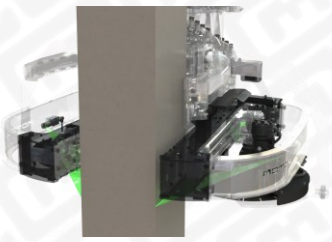
Q-SERIES FEATURES



Adapters/Hitches
(optional)



HMI Controls



Laser Alignment
(optional)

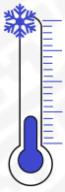


Positioning Sensor
(optional)





Step Up Converter
(optional)



Water Heating System for cold climates
(optional)

Water Tank 140L standard size included
(other sizes optional)



Lower Grapples
*on Q-350S/Q-500S as a standard

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SAFETY, EFFICIENCY & SUSTAINABILITY

SAFETY:

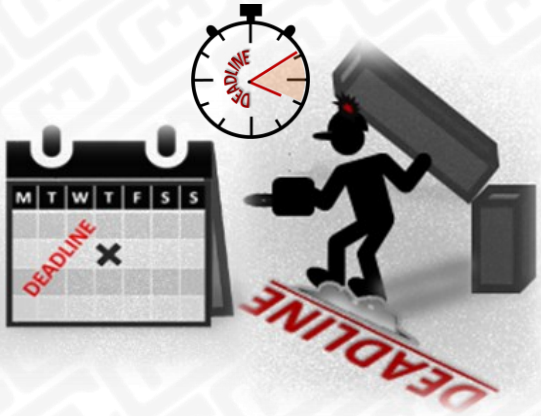
- Reduces worker health risks
- Eliminates employees from hazardous tasks and zones
- Safe and quick pile handling





EFFICIENCY:

- Decrease cutting time up to 5x compared to other methods
- Better creditability of job site forecast
- Increase productivity & save capital – One - Person Operation





SUSTAINABILITY

- Sustainable, high - quality cutting

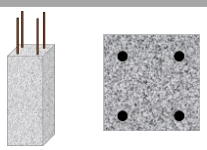
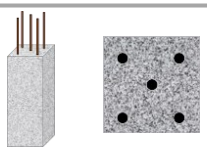
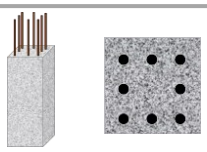
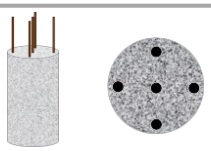
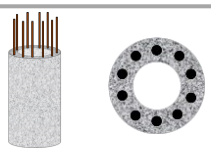
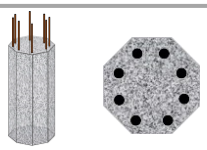
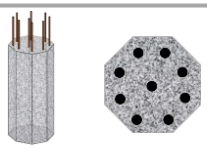
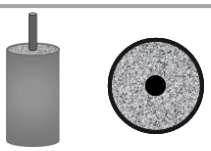




MOTOCUT

WIDE RANGE OF MATERIALS COVERED

- **Wide range of materials, shapes and sizes through automated cutting sequence.**

PILE	PROFILE	REINFORCEMENT CONFIGURATION	ICON
Concrete	Square	Corner rebars	
		Mid rebars	
		Heavy reinforcement	
	Round	Mid rebars	
		Spun pile	
	Octagonal	Corner rebars	
		Heavy reinforcement	
Grouted	Round	Concrete with Steel core	
Timber	Round	n/a	

Cannot find your pile from the chart?

Please contact our sales team in order to find solution to your needs!

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CUT & BREAK

CUTTING PROCESS:

- Grab the pile, press Start and wait until the rebars are cut.
- Retract the grapples and grab the pile from a higher point.
- Push to break the pile.
- Place the cut-off to a desired location.





CLEAN CUT

CUTTING PROCESS:



- Grab the pile and press Start.
- Cut through the pile.
- Release lower grapples.
- Place the cut-off to a desired location.



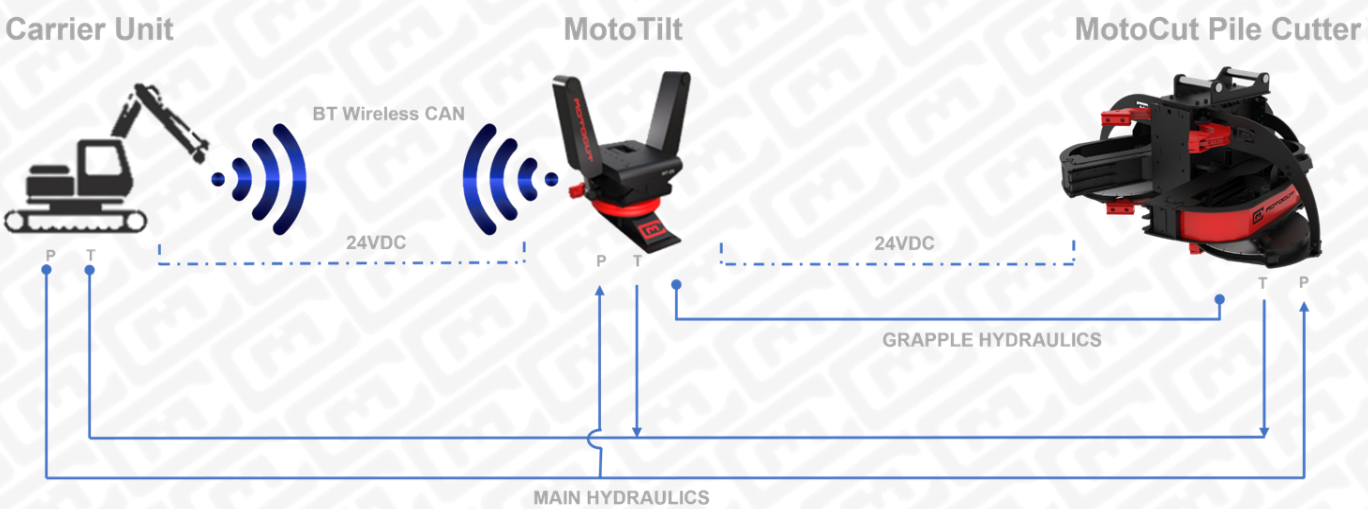


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EASE OF INTEGRATION

Fully self-contained system:

- **Works with any 7–30t HYDRAULIC EXCAVATOR with a single acting hammerline.**
  - Or with other carrier, capable of 60l/min 200 bar oil flow.
- **Installation to the carrier by DIRECT MOUNT HITCH to the boom or with QUICK COUPLER.**
- **Hydraulic coupling to main hammer line with free tank line.**
  - Hydraulic coupling using BSP fittings, quick couplers or other fittings standards are available upon request.
- **Fits directly to + 24VDC system.**
  - For 12VDC systems, optional step up 24VDC converter is available.
- **With MOTOTILT unit, quick and easy installation to a carrier allows safe operation from the carrier cabin and a more flexible and accurate pile cutting.**
  - MotoCut Q-Series products support 3rd party tilt rotator istallation.
- **Controlled comfortably through an HMI display from the carrier cabin.**
  - Optional MotoCut Joystick is available (Joystick is for MotoTilt systems only).



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Q-350



Q-400



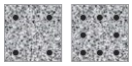
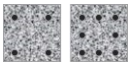
MOTOCUT Q-350

CUT & BREAK

180 x 180 (7” X 7”)	200 x 200 (8” X 8”)	300 x 300 (12” X 12”)	350 x 350 (14” X 14”)	400 x 400 (16” X 16”)

MOTOCUT Q-400

CUT & BREAK

PARAMETER	UOM	Q-350	Q-400
RECOMMENDED CARRIER WEIGHT (Min/Max)	t lb	7–30 t 15,000–66,000 lb	
PILE SIZES	mm in	180–350 mm 7’’–14’’ 	200–400 mm 8’’–16’’ 
PILE CUTTER WEIGHT	kg lb	550 kg 1215 lb	570 kg 1260 lb
DIMENSIONS (W x L x H)	mm in	1450 x 1400 x 783 mm 57’’ x 55’’ x 31’’	
LIFTING CAPACITY	kg lb	500 kg 1102 lb	
CUT OFF LENGTH	mm in	261 mm - 1500 mm 10” - 59”	
BLADE DIAMETER	mm in	ø400 mm ø16’’	
BLADE CENTER HOLE	mm in	ø25,4 mm ø1’’	
MAX. HYDRAULIC POWER	kW	14 kW	
WORKING PRESSURE	bar psi	220 bar 3190 psi	
REQUIRED FLOW RATE (Minimum)	l/min gal/min (US)	60 l/min 16 gal/min	
COMPATIBLE MOTOTILT TILTROTATOR	-	MT-15	

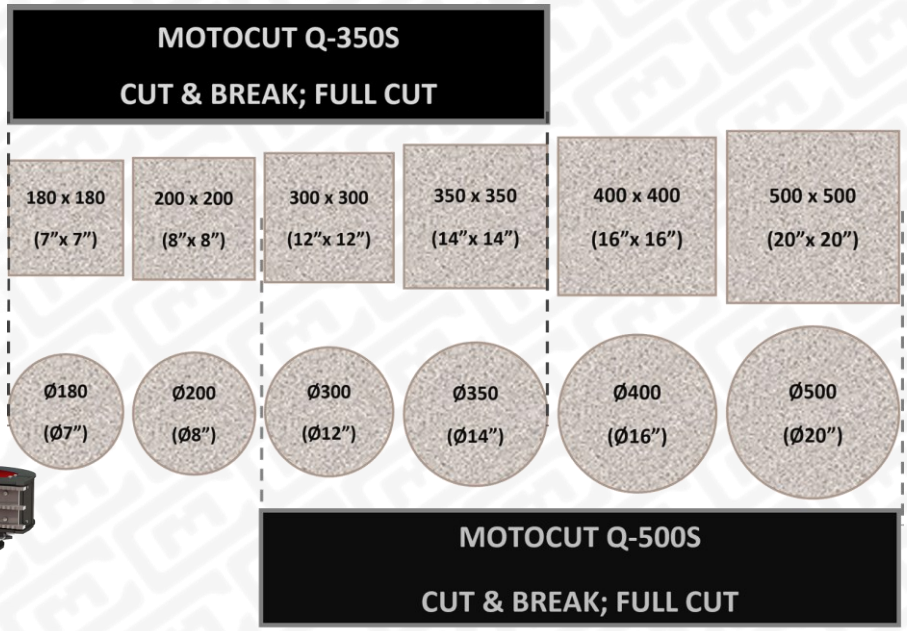
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Q-350S



Q-500S





PARAMETER	UOM	Q-350S	Q-500S
RECOMMENDED CARRIER WEIGHT (Min/Max)	t lb	7–30 t 15,000–66,000 lb	15–30 t 33,000–66,000 lb
PILE SIZES	mm in	180–350 mm 7''–14''	300–500 mm 12''–20''
		ø180–ø350 mm ø7''–ø14''	ø300–ø500 mm ø12''–ø20''
PILE CUTTER WEIGHT	kg lb	550 kg 1215 lb	1200 kg 2650 lb
DIMENSIONS (W x L x H)	mm in	1450 x 1400 x 783 mm 57'' x 55'' x 31''	2260 x 1504 x 1008 mm 89'' x 59'' x 40''
LIFTING CAPACITY	kg lb	500 kg 1102 lb	1000 kg 2204 lb
CUT OFF LENGTH	mm in	261 mm - 1500 mm 10" - 59"	291 mm - 1500 mm 11" - 59"
BLADE DIAMETER	mm in	ø400 mm ø16''	ø700 mm ø28''
BLADE CENTER HOLE	mm in	ø25,4 mm ø1''	ø60 mm ø2,4''
MAX. HYDRAULIC POWER	kW	14 kW	28 kW
WORKING PRESSURE	bar psi	220 bar 3190 psi	220 bar 3190 psi
REQUIRED FLOW RATE (Minimum)	l/min gal/min (US)	60 l/min 16 gal/min	64 l/min 17 gal/min
COMPATIBLE MOTOTILT TILTROTATOR	-	MT-15	MT-25

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With MOTOTILT TILTROTATOR

Enables convenient and accurate cutter positioning to the piles!

- **Easy to install**
- **Rotates and tilts the pile cutter**
- **Smooth and easy operation with MotoCut joystick**







PARAMETER	UOM	MT-15	MT-25
ROTATION (can be bypassed)	°	355°	
TILT ANGLE	±°	± 38°	
WEIGHT	kg lb	250 kg 550 lb	450 kg 992 lb
DIMENSIONS (W x L x H)	mm in	775 x 770 x 1122 mm 30,5”x 30,3”x 44,2”	1051 x 876 x 1142 mm 41,4”x 34,5”x 45”
LOAD CARRYING CAPACITY	kg lb	1650 kg 3637 lb	3300 kg 7275 lb
MAX. HYDRAULIC POWER	kW	14 kW	
MAX. PRESSURE	bar psi	250 bar 3626 psi	
MAX. OUTPUT TORQUE (rotation)	kNm	12,9 kNm	18,7 kNm
MAX. HOLDING TORQUE (rotation)	kNm	54 kNm	65 kNm
MAX. TILT TORQUE	kNm	8,8/11,2 kNm	30,0/30,0 kNm
COMPATIBLE PILE CUTTER	-	Q-350 Q-400 Q-350S	Q-500S

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CONTACT INFORMATION

Don’t hesitate to contact us if you have any questions or queries!

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