

THE ALL-NEW
TILTROTATOR

COTECH

EQUIPMENT
MANUFACTURER

TILTROTATOR

Unlock the full potential of your excavator

Designed and fully integrated by Cotech, this complete system is purpose-built for compact excavators. Featuring 360° continuous rotation, up to 100° tilt angle range (50° on each side), and a cylinderless design, this compact solution delivers unmatched productivity and versatility, regardless of the application or excavator position.





360°
ROTATION

UP TO
50°
TILT



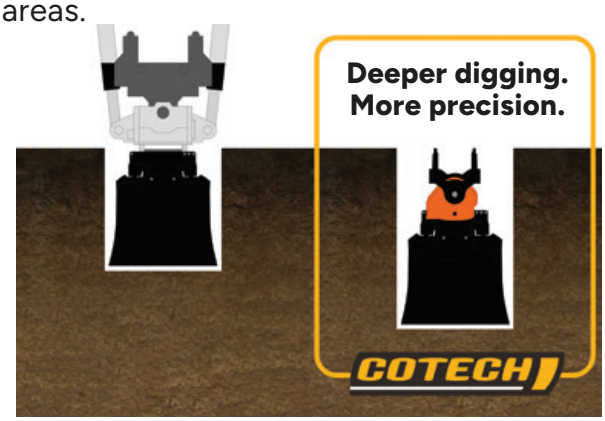
Smarter work.
More angles.

NO CYLINDERS. COMPROMISES.

Dig deeper, without cylinders blocking the way.

Instead of using external tilt cylinders, the Cotech tiltrotator features a fully enclosed design that eliminates exposed components susceptible to damage or obstruction. Its sleek, compact profile reduces the overall width of the tiltrotator, allowing for narrower trenching, improved maneuverability, and easier access to deeper excavation areas.

- Greater digging depth.
- Fully enclosed compact design.
- Reduced tiltrotator width.
- Constant tilt torque, regardless of the tilt.



TILTROTATOR APPLICATIONS

Landscaping



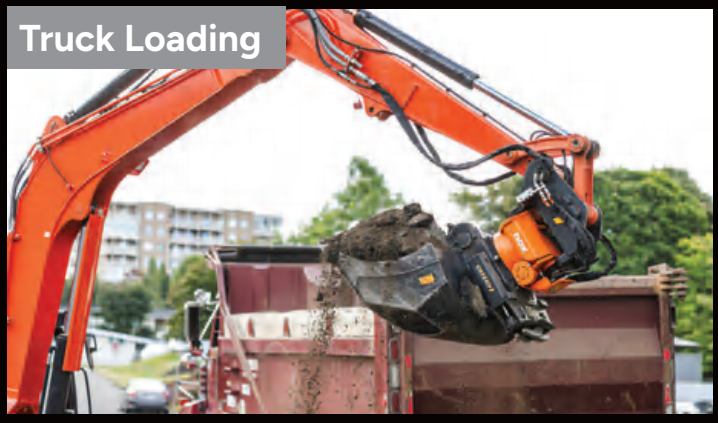
Construction



Grading & Levelling



Truck Loading



CONFIGURE YOUR TILTROTATOR



Cotech Hydraulic or Mechanical Coupler



Upper Mounting Bracket



Tiltrotator Unit



Lower Mounting Hydraulic Coupler



Optional Gripper

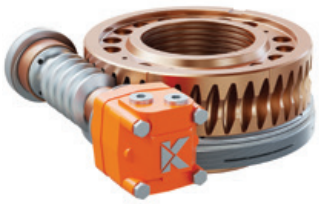


CONTROL SYSTEM & KEY COMPONENTS



7" Touchscreen Display

- Attachment profiles.
- Colour display.
- Lock & unlock attachments.



Oversized Worm Gear

- Driving the unit rotation.
- Lubricated in an oil bath.
- Low maintenance required.



Constant Holding Torque

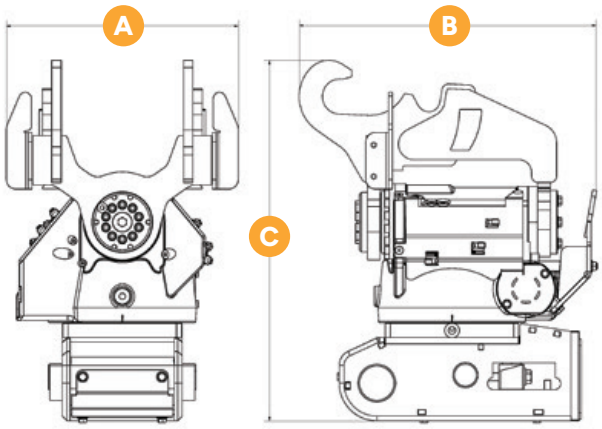
- Helical actuator.
- Consitent holding torque across all tilt angles.



Multi-Functional Joysticks

- More controls, rollers, and improved ergonomics.

TECHNICAL SPECIFICATIONS



TILTROTATOR			
Specifications	**ETR045**	**ETR07**	**ETR11**
Width A	19.4"	19.5"	22.5"
Length B	22.0"	23.7"	27.2"
Height C	28.2"	28.7"	30.9"
Weight (w/o gripper)	464 lb	549 lb	765 lb
Gripper	Optional	Optional	Optional
Rotational speed	8.5 lpm	8.5 lpm	8.5 lpm
Rotational torque	2,803 lb-ft	3,466 lb-ft	5,531 lb-ft
Tilt torque	4,794 lb-ft	8,113 lb-ft	11,800 lb-ft
Tilt angle	2*45°	2*50°	2*50°
Excavator weight	3.5 to 4.9 tons	5 to 7 tons	7 to 10 tons

OPTIONAL GRIPPER

- The hydraulic gripper adds versatility for handling materials directly with the tiltrotator.
- Compact, bolt-on design that can be easily added to your tiltrotator.
- Ideal for picking and placing rocks, concrete blocks, logs, fencing, and more.
- Can be used with or whitout an attachment for increased lifting capacity.







ONE SOLUTION. COMPLETE CONTROL.

- Achieve precision through tilt and rotation. Then let the attachment do the work.
- Reduces excavator repositioning and minimizes the need for additional support staff.
- Get the job done faster, all from the cab.
- A true plug & play solution fully designed, integrated, and configured by Cotech.





TILTROTATOR ATTACHMENTS



Cotech's tiltrotator is designed to handle a wide variety of standard and specialized attachments, making it a true multifunctional all-rounder.

- All Cotech attachments are compatible with the tiltrotator.
- Easily switch between buckets and other attachments without ever leaving the cab.
- More attachments, means more productivity.

Expand your excavator's capabilities with a tailored attachment lineup.

Trenching Buckets



Ditching Buckets



Asphalt Cutters



Grading Beams



Brooms



Pallet Forks



Hydraulic Pallet Forks



Construction Grapples



Multi-Purpose Grapples



Finger Grapples



PUSHING LIMITS



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EQUIPMENT MANUFACTURER

SNOW REMOVAL

EXCAVATION

AGRICULTURAL