

T1060

MECHANICAL DRIVE
CHAIN TRENCHER

TRENGOR

by ASTEC



BREAKTHROUGH SOLUTIONS

T1060 Mechanical Drive Chain Trencher

MORE POWER

C-9 TIER 3 STAGE IIIA CATERPILLAR 350-HORSEPOWER ENGINE, MEETING ALL EMISSIONS STANDARDS, TRANSMITS POWER TO THE DIGGING CHAIN THROUGH A PROVEN 3-SPEED TRANSMISSION WHICH ALLOWS MAXIMUM TORQUE IN EACH TRENCHING SPEED.



SAFETY FIRST

LOCATION OF CAB PROVIDES OPERATOR PROTECTION FROM TRENCHING HAZARDS AND FROM CONVEYOR AND TRENCHER BOOM. CAB MEETS ALL ISO CERTIFICATIONS FOR ROLLOVER AND CRUSH TESTS.

RELIABLE TRENCHER DRIVE SYSTEM

PROVEN CHAIN-DRIVEN HEAD SHAFT WITH CHAIN DRIVES FULLY ENCLOSED IN AN OIL BATH FOR LONGER LIFE. PROVIDES LOWER OPERATING COSTS THAN HYDRAULIC PUMPS AND MOTORS.



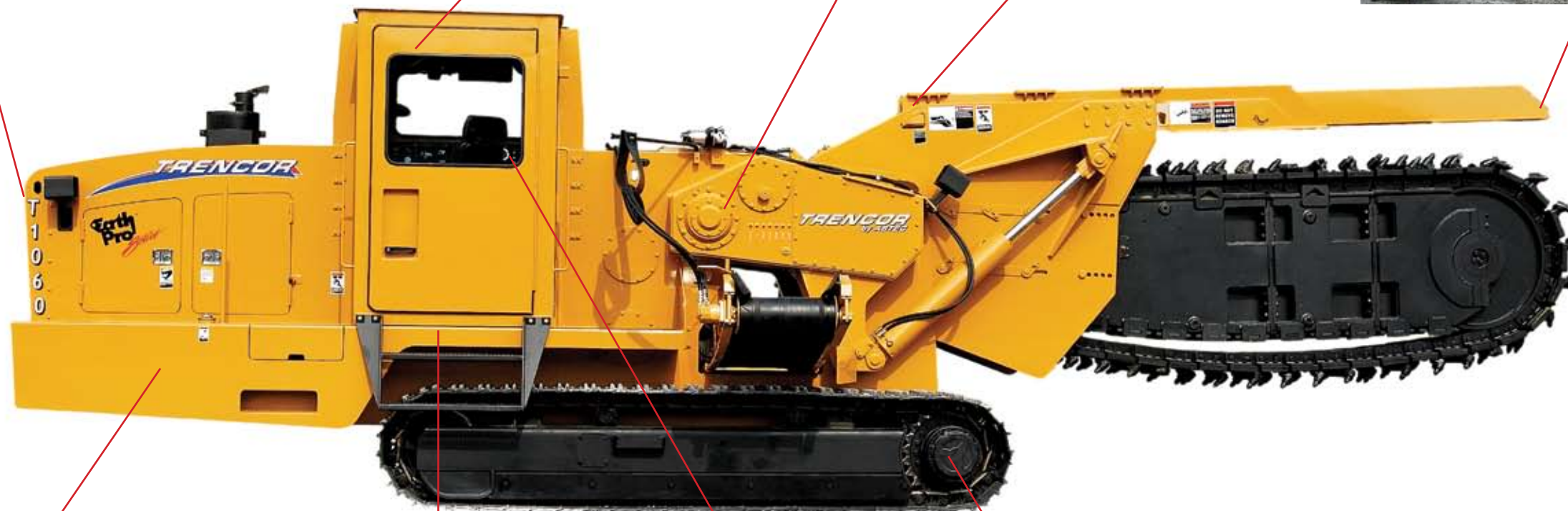
OPTIONAL EQUIPMENT

A CRUMB SHOE IS AVAILABLE TO ENSURE A CLEAN TRENCH.



CE CERTIFIED

CE-CERTIFIED FOR USE IN COUNTRIES OF THE EUROPEAN UNION.



RUGGED FRAME CONSTRUCTION

UNIBODY TRACTOR FRAME IS STRONGER THAN TUBE AND BOLT-ON SHEET METAL DESIGNS. EXTRA-LONG, WELDED, HEAVY-DUTY UNDERCARRIAGE SITS WITHIN AN 8-FOOT, 2-INCH (2489mm) OVERALL WIDTH TO WORK IN TIGHT JOB CONDITIONS. NARROW PROFILE ALLOWS TRANSPORTATION WITHOUT OVERSIZE PERMITS.



LATEST TECHNOLOGY

MICROPROCESSOR LOAD CONTROL SYSTEM THAT RAPIDLY ADJUSTS TRENCHER AND TRACK SPEEDS TO MAINTAIN PERFORMANCE AND REDUCE ENGINE STALLS AND MACHINE WEAR.



SEALED AND LUBRICATED

SEALED AND LUBRICATED TRACK DRIVE PROVIDES EXTENDED LIFE AND REDUCED MAINTENANCE COSTS.

RUNS COOL, LASTS LONGER

HIGH-VOLUME (150-GALLON [568 L]) HYDRAULIC SYSTEM ONLY OPERATES TRACKS, CONVEYOR, CONVEYOR SHIFT, AND BOOM LIFT TO KEEP PUMPS AND MOTORS COOLER, MAKING THEM LAST LONGER AND OPERATE MORE EFFICIENTLY.



BREAKTHROUGH SOLUTIONS

The Trencher line of high-performance rock trenchers, surface miners, road miners, and related equipment rounds out Astec Underground's broad lineup of underground construction solutions. Trencher has more than 60 years of experience in the highly specialized trenching industry, serving the construction and oil and gas markets. The Trencher line-up includes six different trencher models that can be configured to meet custom applications.

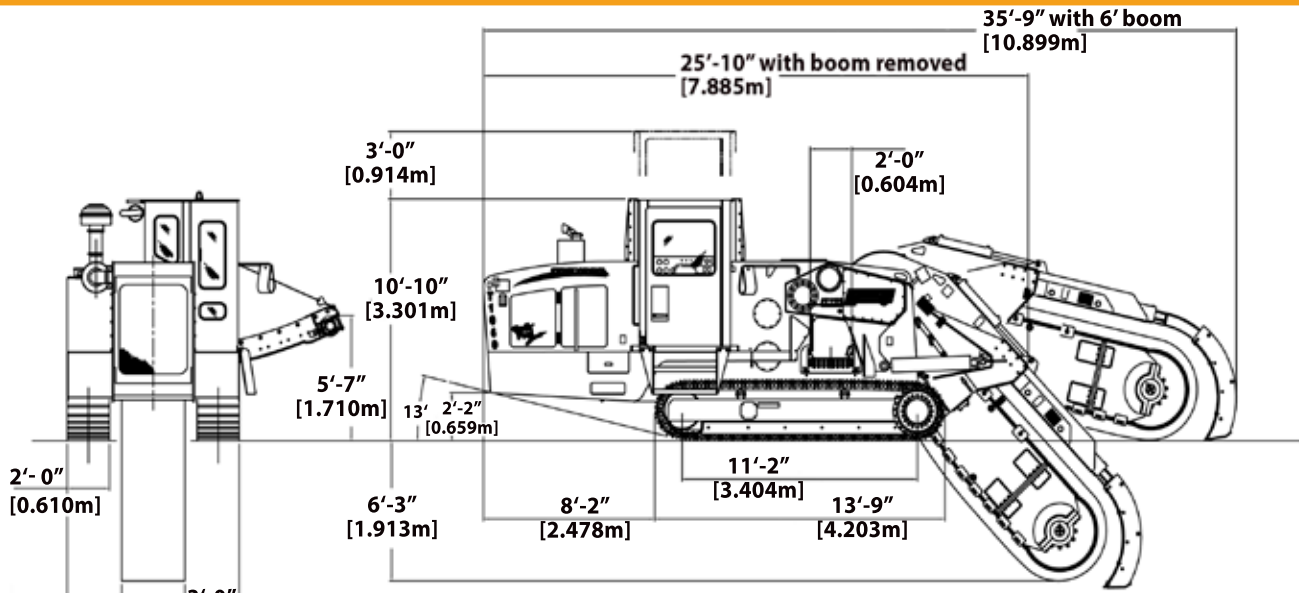
Trencher products are manufactured at the company's 360,000 square-foot facility in Loudon, Tenn., along with the Astec utility trenchers. American Augers products are produced at our factory in West Salem, Ohio.

The seeds of the company now known as Trencher were sown in 1945 in Alhambra, Calif., with the establishment of the Jiffy Excavator Tooth Company, which later became known as Dallas Jetco. In 1981, Trencher Corporation of America (Trencher) was established in Grand Prairie, Tex. The company manufactured chain type trenchers, while Dallas Jetco specialized in wheel trenchers. Trencher purchased Dallas Jetco in 1984 and changed the name of the combined operation to Trencher Jetco. Four years later, Astec Industries, Inc., acquired the thriving business, and provided additional resources for capital investment and growth. The company moved to the Grapevine, Tex., location in 1994, and shortened its name to Trencher. Manufacturing operations moved to Loudon, Tennessee in 2003.

Trencher machines are supported through a dedicated parts and service center, available 24-hours a day to help customers minimize downtime and get needed repair parts.

Visit www.astecunderground.com to learn about the full line of Astec Underground products or to contact the company for more information.

T1060 Mechanical Drive Chain Trencher



ENGINE

- Caterpillar C9 Acert turbocharged diesel, Tier 3 Stage IIIA emissions
- 350 hp (261 Kw) @ 2200 RPM
- 1148 ft-lbs (1556 N-m) @ 1400 RPM
- Fuel rate consumption: 18 Gal (68L)/hour at full horsepower
- 24-volt DC electrical system
- Cooling system — up to 125 F ambient (52 C)
- Heavy-duty 2-stage air cleaner
- Sound Power Level per ISO 6393 (L_{wa}): 121dB(A)
- In-Cab Sound Power Level per ISO 6393 (L_{wa}): 84.4 dB(A)

FUEL CAPACITY

Dual tanks 225 gal. (852 L)
 Operation 12 Hours at full horsepower

HYDRAULIC SYSTEM

Single bolt-on tank 150 gal. (568 L)
 Crawler drive Closed loop piston pumps
 Conveyor drive Closed loop piston pumps
 Accessory Open loop

TRACK DRIVE

Infinitely variable hydrostatic/mechanical
 Speed 2 mph (3.2 kph)
 Track control Independent proportional electric over hydraulic
 Load control Microcontroller with bypass
 Crawlers Cat D-5 components
 Grouser 24-inch (610 mm) wide, low-profile double grousers

OPERATOR STATION

Fully enclosed, air conditioned, heated, and pressurized cab
 Elevation 36 in. (915 mm)

DIGGING ASSEMBLY

Heavy-duty mechanical chain drive. Power shift electronic controlled transmission with four digging speeds and reverse.

Tailwheel: 42-in. (1067 mm) diameter **forged** (not welded plate) ring
 Trench depth

..... 4-, 6-, and 8-ft. primaries (1220-, 1830-, and 2440-mm)
 2- and 4-ft. extensions (610- and 1220-mm)

Trench width

..... 12 to 18 in. (305 to 460mm) with single 4501 chain
 16 to 24 in. (406 mm to 610 mm) with single 4502 chain
 22 to 36 in. (560 to 915 mm) with double 4501 chain
 12 to 18 in. (305 to 460 mm) with single D-6 chain
 24 to 36 in (560 to 915 mm) with double D-6 chain

CONVEYOR

Arc type conveyor with hydraulic shift in either direction

Belt width 24 in. (610mm)
 Belt speed 0 to 1,000 fpm (305 mpm)

ADDITIONAL STANDARD ITEMS

- Bottom tail wheel transition wear plates
- Personnel guard
- Noise abatement equipment
- Work lights (2 fore/2 aft)

OPTIONAL EQUIPMENT

- Automatic laser control for grade
- Automatic laser control for steering
- Hydraulic fold up crumb shoe
- Auxiliary truck loading conveyor
- Roadminer attachment
- Berm scrapers
- Tail wheel weights
- Manual lube kit
- Cold weather package
- CE Package

APPROXIMATE WEIGHT AND DIMENSIONS

Weight 75,000 - 100,000 lbs. (34,020 - 45,454 Kg)
 Width 8 ft., 2 in. (2,235 mm)
 Height 10 ft., 10 in (3,300 mm)
 Length 25 ft., 10 in. (7,874 mm)
 Transport length (with 8-foot boom) 38 ft. (11,582mm)

IMPORTANT: Astec Underground reserves the right to change these specifications without notice and without incurring any obligation relating to such change. This literature has been published for world-wide circulation. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Astec dealer/distributor will be able to give you details of the products and their specifications available in your area.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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