



# MINING APPLICATIONS

DRESSTA CONSTRUCTION EQUIPMENT



# Where there's mining, there's Dressta

Mine operations are complex, so you need an equipment supplier who really understands the industry. Dressta knows that safety and sustainability are key in mining. Productivity is critical, too, and that relies on powerful equipment that works hard, shift after shift, with minimum downtime and maximum efficiency.

Dressta's large and mid-sized dozers have proven themselves in some of the world's toughest mine sites.

## THE FEATURES YOU NEED FOR MINING APPLICATIONS

- Unique two-speed steering drive for continuous transfer of 100% engine power to both tracks allowing the blade to handle full loads through turns.
- Best-in-class drawbar pull combined with high capacity blades so you can move more material per hour at the lowest unit cost.
- Low effort controls for precise and predictable positioning of loads.
- Unmatched ripping performance with best-in-class penetration for fast ripping in the hardest of materials.
- Heavy-duty undercarriage and track options.
- Modular design for maximum productivity and long service life.
- Ground-level access to service points for easy daily maintenance.
- Trimble ready technology.

Dressta's TD-25 and TD-40 large dozers are optimally sized for performance in mining operations and equipped with high weight-to-horsepower ratios for effectively pushing heavy loads.

Dressta's mid-sized dozers – TD-15, TD-20 – are ideal for a range of auxiliary tasks in open pit mining, including repair and maintenance of internal mine roads damaged by dump truck traffic.

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# The right tools for the job

A dozer delivers maximum efficiency when it is equipped with the right blades and rippers. Dressta offers a range of attachments to suit every application:

- **Semi-U** for heavy cutting and pushing rocks and rocky clay.
- **Full-U** for easy pushing of lighter materials.
- **C-Frame** mounted blades for medium dozers if the dozer needs to side-cast dirt during mine road maintenance.
- **Single shank ripper** for heavy duty ripping in rocks, hard coal or rocky clay.
- **Multi-shank ripper** for light duty operation in sand or other low density material.

For tough ripping applications, the single shank ripper with a hydraulic pitch can be applied, as well as standard or deep ripper shanks. A three-shank, parallelogram ripper has been designed to utilize the full drawbar capacity of Dressta dozers.

For even greater productivity, we can fit our machines with reinforced blades or severe service track shoes for extreme mining applications.

Dressta actively listens to customers, innovating and implementing machine features that genuinely improve the performance and functionality for the end user. With Dressta's Special Feature Request (SFR), your machine can be engineered for your business.







## HEAVY DUTY UNDERCARRIAGE

The low undercarriage ensures excellent all-round visibility. It also means superior balance and stability, a comfortable ride and impressive slope stability.

Undercarriage components are designed for extended wear in tough terrain and are arranged in a way that makes removal and replacement during servicing quick and easy, maximizing machine uptime and profitability. Dressta dozers are built with a one-piece mainframe for exceptional strength so you can get on with the job with confidence.



Dressta actively listens to the needs of customers, innovating and implementing machine features that genuinely improve performance and functionality for the end user.

# Built tough for tough conditions

When you're in a demanding industry, you need robust equipment.

Mine sites are challenging environments, and your equipment needs to:

- Handle large volumes of material.
- Work without downtime through a continuous production cycle.
- Be suitably equipped for use in tough, dusty operating conditions.

Dressta machines are the answer.

## CLEANER FOR BETTER PERFORMANCE

Coal dust is hazardous for the machine and the operator.

Dressta's coal models have cleaners that spin the air before it enters the engine system and use centrifugal force to reduce coal dust. This helps to improve fuel economy and extends the life of the filters and engine.







The best results from a machine come when it is paired with the right attachments.

**HIGH CAPACITY COAL BLADES**

To optimize our heavy-duty coal-handling dozers, we offer the following options in high capacity coal blades:

	TD-40	TD-25
COAL BLADE / FACTORY	39.8 m³ / 52 yd³	21 m³ / 27.5 yd³
COAL BLADE / ROCKLAND	47.4 m³ / 62 yd³	24.4 m³ / 32 yd³





# Dressta knows stockpiling

## Safety is key in coal stockpile compaction.

Working with a coal stockpile brings the risks of coal slide, accelerated erosion, oxidation and self-ignition of the stockpiled coal. Dressta's stockpile compaction modifications can eliminate or reduce those risks, and Dressta's crawler dozers are renowned around the world for their superior balance and stability on coal and other stockpile slopes. They can be fitted with specially designed compaction equipment that's easily mounted to the dozer. The simple-to-operate slope rolling system helps eliminate air pockets, reducing the risk of heat build-up that can lead to combustion of trapped air.



Dressta machines adapted for stockpile applications have their weight spread across the sturdy undercarriage for superior balance and stability. With the compaction equipment installed, these dozers can operate on lengthwise slopes of 25° and crosswise slopes of 20°.

Dressta machines can be customized to suit the needs of your working environment.

# Experience where it counts

In the harsh mining environment, you need to be confident in your equipment.

Mine operators across the globe have chosen Dressta because they are proven, high quality, robust dozers that keep going, day after day, in even the toughest conditions – and the most sensitive environments.

## DRESSTA AROUND THE WORLD

- In Canada, Dressta TD-40E and TD-25M/R dozers operate in coal mines and gold mines located inside national parks, where environmental regulations are incredibly strict.
- In Europe, Dressta dozers can be found in Poland, the Czech Republic, Serbia, Bosnia and Herzegovina, Kosovo, Macedonia and Russia.
- Across South Africa, Indonesia and Central Asia, the TD-40E is the model of choice for open pit mine operators. In the hot and humid climate of Borneo, the Dressta TD-40 successfully takes off the overburden to allow access to the precious hard coking coal beneath.
- In Central America and the Philippines Dressta dozers have been working 24/7 in nickel ore mines for up to five years. In one mine, the machines worked non-stop for over 40,000 hours in the most challenging environments – a testament to the machines' superb durability.



“The climate of the Philippines is hot and humid all year round, no matter where you are, and the mining site is even worse. The TD-20M Extra provides smooth air conditioning that makes me enjoy the whole operating journey, and more importantly, the modular design makes the machine very easy to maintain.”

**Enerio R. Alia, TD-20M Extra operator.**







# Nowhere too hot, too cold or too high

Mines operate in some of the most unforgiving locations on the planet, and so do Dressta dozers. From an icy 40°C below zero to a searing 60°C, Dressta dozers are ready to go.

Dozers operating in Russia, Kazakhstan, Uzbekistan, Kyrgyzstan and other extremely cold regions can be equipped with an Arctic Package, developed by Dressta over decades of experience on harsh Siberian job sites.

The same models are equally adept at taking on excessively hot conditions, and we offer a heavy-duty filtering system as a Special Feature Request (SFR) for heavy, dusty conditions.

High altitudes, which can be as challenging as extreme temperatures, are no obstacle either.

Dressta machines are engineered with the durability and power to handle the toughest of applications.





From an icy

**-40°C**

below zero

to a searing

**+60°C**

Dressta dozers are ready to go.

### **SPECIAL FEATURE REQUESTS**

Dressta has extensive experience in factory-customized equipment, so you can get the exact machine you need. Our Special Feature Request (SFR) options have been developed around specific application requirements and are based on the technical expertise of our engineers.

For Dressta dozers operating in open pit mines, the following SFRs are offered:

- Arctic Package
- Turbine type pre-cleaner
- Reinforced blades and push arms
- Reinforced ripper shanks

### **WORK IN COMFORT AND SAFETY**

A comfortable operator is less easily fatigued, safer, more efficient and more productive. Our comfortable cabs feature:

- Air recirculation system
- Powerful air conditioner/heater/pressurizer
- Deluxe air suspension seat with arm rests
- Ergonomically designed joystick controls
- Excellent visibility and lighting
- Clever design for in-cab noise suppression



# Support when, where and how you need it

Dressta helps you get the most out of your equipment by ensuring it is designed to meet your needs and is supported all the way.

Dressta's global parts distribution centers enable rapid parts supply and feature large inventories and advanced logistics centers to make ordering parts simple.

Your Dressta machines come with excellent standard warranties and a range of extended warranty options, as well as ongoing aftersales technical support provided by trained service representatives and mechanics around the world.

With products supplied worldwide through a well-established network of independent distributors, Dressta is as passionate about the industry as you are.





## GENERAL SPECIFICATIONS

MODEL	TD-15M Extra	TD-15R Extra	TD-20M Extra	TD-20R Extra
Engine Make and Model	Cummins QSC 8.3	Cummins QSB 6.7	Cummins QSC 8.3	Cummins QSL 9.0
Emission Standard	EPA Tier 3/EU Stage IIIA	EPA Tier 4f	EPA Tier 3/EU Stage IIIA	EPA Tier 4f
Engine Output - Net at the max. speed of hydraulic fan	142 kW (190 Hp) -	166 kW (225 Hp) 154 kW (206 Hp)	191 kW (256 Hp) 179 kW (240 Hp)	202 kW (271 Hp) 185 kW (248 Hp)
Blade - Capacity	5.7 m <sup>3</sup> (9.2 yd <sup>3</sup> )	5.7 m <sup>3</sup> (9.2 yd <sup>3</sup> )	7.04 m <sup>3</sup> (9.2 yd <sup>3</sup> )	7.04 m <sup>3</sup> (9.2 yd <sup>3</sup> )
Speed - Forward Max.	10.2 km/h (6.3 mph)	10.5 km/h (6.5 mph)	10.6 km/h (6.6 mph)	10.5 km/h (6.5 mph)
Speed - Reverse Max.	11.9 km/h (7.4 mph)	12.3 km/h (7.6 mph)	12.6 km/h (7.8 mph)	12.2 km/h (7.6 mph)
Drawbar Pull - Max.	535.3 kN (118,688 lbf)	535.3 kN (118,688 lb)	620 kN (139,382 lbf)	640 kN (173,878 lbf)
Operating Weight	20,660 kg (45,541 lb)	20,760 kg (45,768 lb)	24,200 kg (53,352 lb)	24,250 kg (53,462 lb)

MODEL	TD-25M Series-1	TD-25M Series-1	TD-40E Extra	TD-40R Extra
Engine Make and Model	Cummins QSX 15	Cummins X15	Cummins QSK 19	Perkins 2806J
Emission Standard	EPA Tier 3/EU Stage IIIA	EPA Tier 4f/EU Stage V	EPA Tier 3/EU Stage IIIA	EPA Tier 4f/EU Stage V
Engine Output - Net at the max. speed of hydraulic fan	277 kW (370 hp) 246 kW (330 hp)	277 kW (370 hp) 246 kW (330 hp)	415 kW (555 Hp) 384 kW (515 Hp)	425 kW (570 Hp) 397kW (532 Hp)
Blade - Capacity	9.6 m <sup>3</sup> (12.5 yd <sup>3</sup> )	9.6 m <sup>3</sup> (12.5 yd <sup>3</sup> )	18.6 m <sup>3</sup> (24.3 yd <sup>3</sup> )	18.6 m <sup>3</sup> (24.3 yd <sup>3</sup> )
Speed - Forward Max.	10.3 km/h (6.4 mph)	10.3 km/h (6.4 mph)	12 km/h (7.5 mph)	12 km/h (7.5 mph)
Speed - Reverse Max.	12.3 km/h (7.6 mph)	12.3 km/h (7.6 mph)	14.9 km/h (9.3 mph)	14.9 km/h (9.3 mph)
Drawbar Pull - Max.	791 kN (177,150 lbf)	794 kN (178,498 lbf)	1157 kN (260,104 lbf)	1225 kN (275,391 lbf)
Operating Weight	41,500 kg (91,491 lb)	41,250 kg (90,940 lb)	67,700 kg (149,251 lb)	67,850 kg (149,584 lb)

MODEL	TD-40E XP
Engine Make and Model	Cummins QSK 19
Emission Standard	EPA Tier 2/EU Stage II
Engine Output - Net at the max. speed of hydraulic fan	407 kW (545 Hp) 388 kW (520 Hp)
Blade - Capacity	18.6 m <sup>3</sup> (24.3 yd <sup>3</sup> )
Speed - Forward Max.	12 km/h (7.5 mph)
Speed - Reverse Max.	14.9 km/h (9.3 mph)
Drawbar Pull - Max.	1157 kN (260,104 lbf)
Operating Weight	67,700 kg (149,251 lb)

If you cannot find the model with the appropriate engine configuration (Emission Levels: Tier 3, Tier 4 Interim, Tier 4 Final) for your region, please email [info@dressta.com](mailto:info@dressta.com) or contact your local dealer.

Specifications may change from time to time and this brochure may not reflect the latest specifications. Photographs in this brochure may not reflect market configuration. Please consult your dealer to confirm specifications and configurations.



Dressta encourages safe worksites.

Please consult operator's manual before use of any Dressta equipment.



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