



Designed for primary crushing, the new X400 is available in both hydraulic adjust (HA) and hydraulic release (HR) versions

Wraps come off the X400

Terex Pegson unveil their latest track-mounted jaw crusher

In March Terex Pegson officially launched their new X400 track-mounted jaw crusher, marking the culmination of two-and-a-half years of detailed research and extensive field trials involving eight pre-production prototype units. Replacing the company's highly successful 1100 x 650 Premiertrak, which is to be phased out during 2006, the X400 is initially being launched into the larger European markets with all other markets to follow on later this year.

Capable of throughputs up to 400 tonnes/h, depending on the raw material, the X400 has been designed to provide operators with high levels of up-time, ease of operation and maximum productivity. Like its predecessor, the machine is available in both hydraulic adjust (XA400) and hydraulic release (XR400) versions, making it equally suitable for primary crushing in both quarrying and recycling applications.

The XA400 version has a highly aggressive crushing action with a high-swing jaw to ease material entry into the crushing chamber. The hydraulic crusher-setting adjustment allows changes to be made quickly and easily over a wide range. Adjustments are activated without the need to release the draw-back mechanism, making the XA400 particularly suitable for quarry applications where regular jaw setting changes are required.

With its hydraulic release mechanism, the XR400 model alleviates the problem of crusher overload that can occur when tramp metal enters the crushing process, particularly during the recycling of construction and demolition waste. The hydraulic release feature is fully adjustable, quick and easy to reset and makes blockage clearance a simple process, thereby saving the operator time and money by allowing the crusher to continue processing with minimal disruption while, at the same time, protecting the jaw mechanism from potential damage.

With the exception of the proven jaw crusher unit and the low-ground-pressure crawler tracks, the X400 has undergone a complete redesign, resulting in numerous innovative features to improve productivity and enhance maintenance procedures. The hydraulically folding feed hopper is now constructed from 15mm thick heavy-duty Hardox and features bolt-less fixing for quick and simple set up, while a new style of vibrating grizzly feeder with an extended twin-cartridge grizzly section actively discourages pegging and blinding.

Very generous under-crusher accessibility has been provided for the safe and easy removal of wire and re-bar, and the impact area under the product conveyor, at the crusher discharge point, has been improved. The hydraulically

elevating and lowering product conveyor has been lengthened by 1.5m, giving an increased maximum discharge height of 3.9m for improved stockpiling. For transportation purposes, this can be lowered to reduce the overall height of the plant.

Driven by a 172kW, Tier 3-compliant Caterpillar C9 engine, the new X400 series is PLC controlled and features simple fingertip actuation with automatic sequential start-up and shutdown. The plant's HFO direct-drive system is said to give fuel consumption figures as low as 22 litres/h, depending on the application. According to Terex Pegson, savings of over £21,000 per annum in running costs can be achieved against similar-sized competitors' products.

The X400 also features a newly designed crusher drive access system and an easy access power pack canopy. Hydraulic and oil filter changes are required at 2,000h intervals.

Numerous options are available on the X400 series machines including: a dirt conveyor with a new troughing system; an overband magnet; radio remote control; and an under-feeder screen. For additional belt protection on recycling applications, an optional under-crusher flipper plate is also available.

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