CUTTER TECHNOLOGY

BROADEN YOUR HORIZONS
Trenching

1 With a production rate of 6-8 m³/hr, this ER 1500-3 X was used to produce a trench 8.5m deep in Riyadh, Saudi Arabia.

2 Trenching in limestone: the ER 1200-1, mounted on a 20 ton Hyundai excavator in the Middle East had a production rate up to 10 m³/hr.

3 The depth of this trench in hard limestone in Qatar is 7.5 m. In limestone with a hardness of approx. 100 MPa, the ER 1200-3 mounted on a 35 ton excavator achieved a production rate approaching 7 m³/hr.

4 The grain size of the material extracted from the trench was small enough for it to be used as back fill.

5 Precise and small: An ER 1500-3 L (Longitudinal cutter) excavates a 800 mm wide trench in middle hard limestone.

6 In Qatar, this ER 1500-1 L mounted on a Volvo EC 290 B cut under an existing pipe in a trench. Erkat provided the solution to a recurring problem in built up areas.

7 Trenching in Germany, an ER 3000 mounted on a Liebherr 964 Litronic. The use of an OilQuick OQ 120 coupler allowed the 3.5 ton drum cutter to be changed with the loading shovel in 30 seconds.

8 An ERC 1300 drum cutter used to dig a 90cm wide trench. Thanks to the ability to rotate the drum cutter hydraulically, the machine could be oriented in such a way that the rock between the cutter drums could be cut without any sideways movement.
Tunnelling

1. An ER 2000-2 mounted on a Liebherr 944 excavator used to drive a tunnel in Switzerland.

2. An ER 1500-1 XL complete with a rotation unit was mounted on a 45 ton excavator to drive a U-bahn tunnel in Vienna. The drum cutter achieved an average production rate of 7–9 m³/hr.

3. Mounted on a 38 ton telescopic excavator, the ER 1500-1 T with a conical, profiling cutting head removes the old concrete surface of a tunnel in Austria accurately and exactly to the tunnel profile.

4. In Portugal, this ER 1500-2 T drum cutter mounted on a CAT 325 tunnelling excavator was used to widen the access ramp to a copper mine. With a high production rate of 10–12 m³/hr, the project was completed well within time.

5. This ER 3000-3 mounted on a Liebherr 954 was used to drive a tunnel in a very hard limestone in Monaco and gave a production rate from between 6–8 m³/hr.

6. An ER 1500-3 mounted on a Liebherr 932 tunnelling excavator is used to smooth the rough contours of the tunnel after being sprayed with concrete.

7. An ERC 650 on a Liebherr 924 Litronic being used for profiling work in a tunnel.

IN THE MOST DIFFICULT CONDITIONS ...
Quarrying / Rock Excavations

1 An ER 3000 mounted on a PC 450-6 achieves a production rate of over 100 t/hr in this broken limestone at a cement works in Mexico.

2 This 10 m deep excavation was produced using an ER 1500 mounted on a 35 ton Volvo excavator. In this consolidated conglomerate near Salzburg, the ER 1500 achieved a production rate of 10-15 m³/hr.

3 An ER 1500-3 XL fitted with special cutting heads achieves a production rate approaching 90 ton/hr in gypsum.

Demolition / Refurbishment

Where ever a low vibration method of extraction is required, Erkat drum cutters give you the cutting edge.

1 An ER 1500-3 XL undercutting a historical building near Salzburg in Austria.

2 An ERC 650 P used to smooth a diaphragm wall in Spain. The drum cutter is mounted on a Daewoo 18 ton excavator.

3 An ER 3000 being used on a demolition project in Germany.
Quarrying / Rock Excavations

4 + 5
An ER 2000 used to for slope work near the A38 motorway between Göttingen and Halle (Saale). The production rate was 40 m$^3$/hr.

6 + 7 + 8
An ER 1200 being used to extract Gypsum in Germany. The production rate was approximately 40 m$^3$/hr.

9
India 2009: An ER 5500 mounted on a PC 1250 achieves approximately 200 t/hr while cutting limestone at the Ambuja cement works near Shimla.

10 + 11
At a calcium carbonate quarry in Chile, this ER 650-3 mounted on a PC 200 achieves a production rate of 20 m$^3$/hr.

12 + 13
At a gypsum quarry in Uhrde, Germany, this ER 1200-3 with special cutting heads achieved an exceptionally high production rate, approximately 40 m$^3$/hr.
Erkat has a worldwide network consisting of distributors and subsidiaries. For more information, please contact Mr. Ertmer at +49 3695 60 34 66

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Your local dealer:

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