TRAKKOM
ENGINEERING & INDUSTRIES

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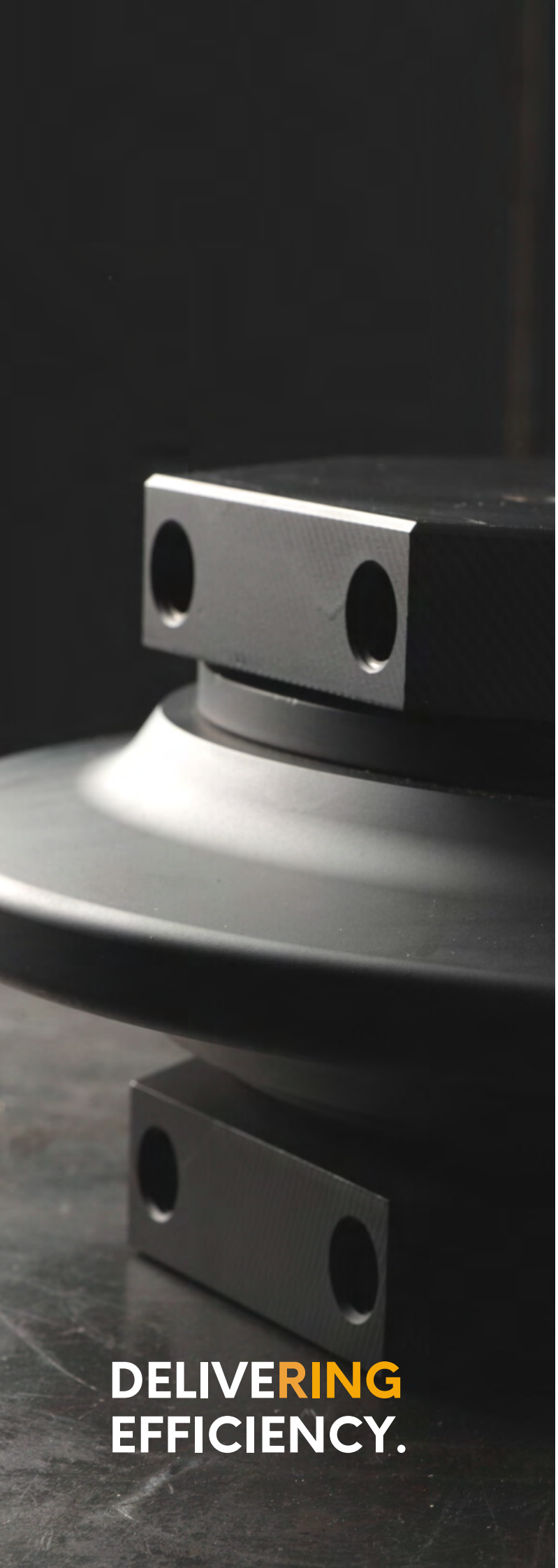
Cutting Tools / Metalworks / Qualified Manpower Supply / Dealerships



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COMPANY PROFILE

Who We Are

With over 15 years of experience and background in mechanized tunneling and heavy machinery&equipment, TRAKKOM Engineering has been established in Istanbul/Turkey to offer global solutions for their partners all over the world.

As being respectful pioneers in Turkish Tunneling Industry, two founding partner companies of TRAKKOM Engineering have decided to merge their power, know-how, and experience in design, manufacturing, troubleshooting, and tailor-made solutions for cutters&cutting tools.

What started as to create better, faster, and economical solutions in domestic market is now turning into an increasing global demand with positive feedbacks being received from national and international jobsites.

Our Vision

Always open to new technologies and developments to increase effectiveness and efficiency, we aim to deliver the best solutions and services for the tunnel industry with a teamwork approach that includes both employees, suppliers, and clients while achieving a sustainable development model.

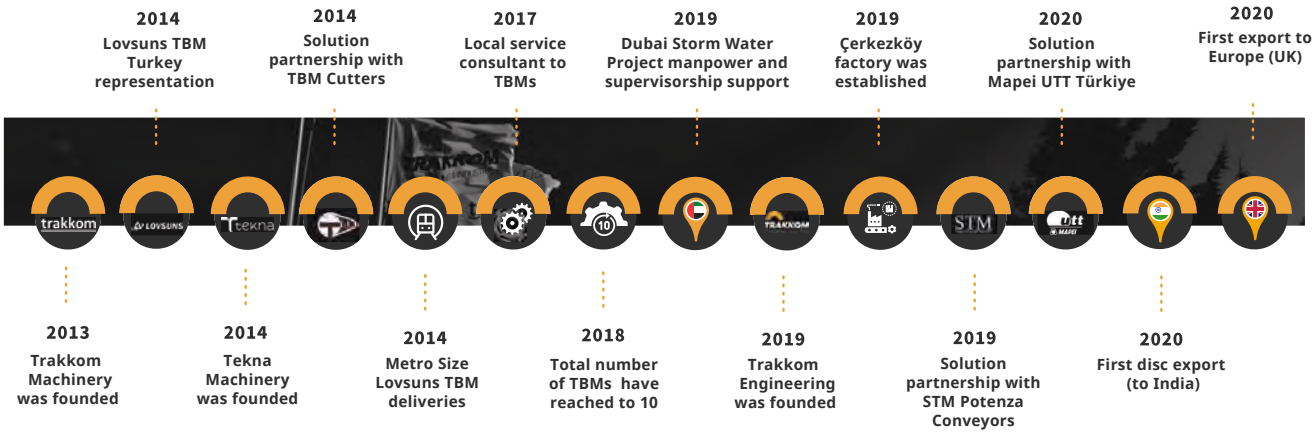
Our Mission

Our mission is to design, manufacture and deliver our unique, precise, and highly efficient products and services to the global market to meet the expectations of the global tunnel industry.

Our Values

Ethical business conduct - Customer focus - Cooperation and team spirit - Adaptability and flexibility - Continuous effort for improvement - Sustainability - Respect for the environment and society

Timeline



Where We Do It

Our facilities and offices are located in Istanbul/Turkey, where the continents meet.

Our factory is located just outside the city and founded on 1800 square meters of ground. 800 square meters of indoor area is where the cutters&tools are being manufactured and 1000 square meters of outdoor area is spared for large scale operations such as cutterhead revisions, TBM maintenance and revisions.

Our workshop with 800 square meters indoor area is located right at the very heart of the downtown area, just to better serve the projects within the city.

Our offices are located on both sides of the city, just like our clients.
Our cutters and personnel on the other hand, are being distributed all over the world.

Wherever you are!

OUR WORKS

Manufacturing

Trakkom designs and manufactures cutter discs, cutter disc spare parts, cutter fixing parts for all sizes and types. Our designs are made to ensure maximum efficiency for the cutters in order to minimize cutter related costs and stoppages. We always investigate the project specific conditions to optimize our cutters to the clients' unique requirements.

We also provide fully functional cutter workshops with dedicated on-site personnel on demand. In addition to that, our technical team is always at the service of our clients. We give on-site trainings and continuous assistance during our clients' projects.

Our manufacturing line is not limited with cutters only. We also design and manufacture steel structures such as thrust frames, muck skips, segment lifters, steel slides for TBMs, rail switches, rail sleepers, survey stations, walkways, pipeline consoles, conveyor parts, and many other tunnel specific solutions.

Cutterhead maintenance and revisions are another aspect of our services along with full TBM maintenance and revisions. These services are available both on-site or at our facilities.

- **DISCS**
- **SCRAPERS**
- **BRUSHES**
- **CUTTER DISC OVERHAUL WORKSHOP**
- **TUNNEL METAL WORKS**

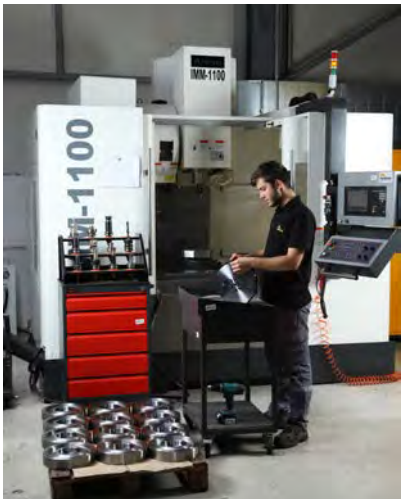
DELIVERING EFFICIENCY.

Supervision & Consultancy

Trakkom provides services for assembly & disassembly and drive assistance for TBMs for site specific needs. We have extensive Tunneling Expertise in TBM and TBM related equipment (such as conveyors, locomotives, MSVs) - assembly, maintenance and operation.

We dispatch our technical personnel for site specific needs. Our personnel have been assisting contractors for successful breakthrough of TBM projects in Turkey, Azerbaijan, Saudi Arabia, Qatar and UAE for years.

- **PRE-PROJECT SUPPORT**
- **TBM REFURBISHMENT, TBM ASSEMBLY, TBM REMOVAL**
- **SUPERVISION SERVICES**
- **MANPOWER SUPPLY**
- **EQUIPMENT FOR TUNNELS & CONSTRUCTION MACHINERY**



Equipment for Tunnels & Construction Machinery

For this reason, the machine needed especially in tunnels and we have built a rental and sales fleet of equipment & machinery especially required in tunnel works.

Compressors, excavators, loaders, mobile or stationary concrete pumps, forklifts, bobcats, concrete mixers are all available with or without operators.

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DELIVERING EFFICIENCY.

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OUR SUPPLIES

TBM SUPPLY

Trakkom is the official representative of Lovsuns/LNSS TBMs. We closely look into the projects of our partners, inspect the geology, determine the specific needs of sites, and act on clients' specific conditions.

With these comprehensive data and 20 years of IP, together with Lovsuns, we design the TBMs that will tailor-fit to the projects.

TBM TOOLS & SCRAPERS

We are working together with TBM Cutters Ltd. in UK. TBM Cutters Ltd. manufactures all scraping tools and wear parts in England for more than 40 years.

With this extensive experience, our clients are ensured to have top quality products.

CONVEYING SOLUTIONS

Trakkom is the official representative of STM Potenza Srl. We provide continuous conveying systems to our clients for effective muck removal and other materials transfer systems within sites.

STM Potenza Srl is the biggest manufacturer in Italy for conveying systems; Trakkom and STM collaboratively provides initial set-up for the sites and supervision works for efficient extension of the conveyors during the projects.

UNDERGROUND CHEMICALS

Mapei underground technology team, part of one of the world's leading construction chemicals companies, produces products of high quality for underground chemicals and additives all over the world.

Trakkom is the sole representative of Mapei-UTT products in Turkey. We supply products such as foams for TBM excavations, main bearing sealing greases, tail sealing greases, chemicals and additives for grouting, polyurethane injection chemicals.

DELIVERING EFFICIENCY.

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PROJECT & REFERENCES

Trakkom offers services for assembly & disassembly and excavation activities towards the needs of the construction sites. It has comprehensive tunnelling experience in installation, maintenance, and operation of TBM and TBM related equipment (conveyors, locomotives, MSVs, etc.), and it guides its technical staff in line with the needs of the construction sites. Our team has taken part in excavation projects of contractor companies in Turkey, Azerbaijan, Saudi Arabia, Qatar, and the United Arab Emirates.

1.MAHMUTBEY – MECIDIYEKOY METRO / ISTANBUL

- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM and TBM Equipment Revision
- Belt Conveyor and Equipment
- Tunnel Machinery Equipment Rental

2.KABATAS-MECIDIYEKOY METRO / ISTANBUL

- TBM
- Underground Chemicals
- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM and TBM Equipment Revision
- Belt Conveyor and Equipment
- Tunnel Rail System Equipment Manufacturing and Revision
- Tunnel Machinery Equipment Rental

3.PROJECT ON EUROPE 1ST REGION DRINKING WATER / ISTANBUL

- TBM
- Underground Chemicals
- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM and TBM Equipment Revision
- Belt Conveyor and Equipment

4. GAYRETTEPE NEW AIRPORT METRO ISTANBUL

- TBM
- Underground Chemicals
- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM and TBM Equipment Revision
- Belt Conveyor Chassis Manufacturing
- Tunnel Construction Machinery Equipment Rental

5. UMRANIYE ATASEHIR GOZTEPE METRO İSTANBUL

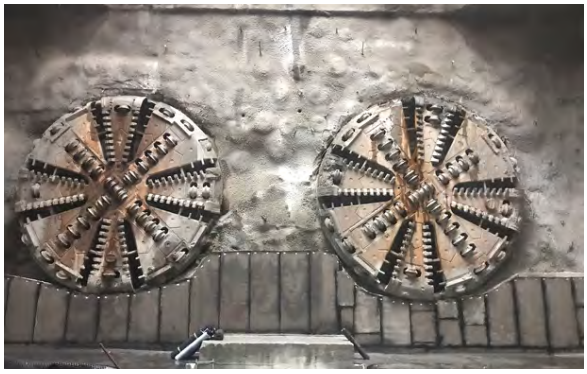
- Underground Chemicals
- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM and TBM Equipment Revision
- Belt Conveyor and Equipment

6. KOVANLIK HEPP PROJECT / GİRESUN

- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM Equipment Revision

7.HALKALI NEW AIRPORT METRO / İSTANBUL

- TBM
- Underground Chemicals
- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM and TBM Equipment Revision
- Belt Conveyor and Equipment
- Tunnel Machinery Equipment Rental



8 AYVALI DERE ZEYTINBURNU WASTE WATER TUNNEL / İSTANBUL

- TBM
- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM and TBM Equipment Revision
- Belt Conveyor Equipment
- Tunnel Rail System Equipment Revision

9. DUBAI DEEP TUNNEL STORM WATER SYSTEM / DUBAI

- Supervisory & Consultancy
- Manpower Support

10 PUNE METRO / INDIA

- Disc & Cutter Head Equipment

11. EURASIA TUNNEL / İSTANBUL

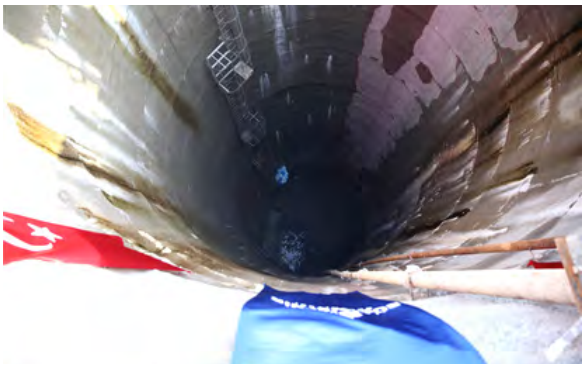
- Tunnel & TBM and Steel Manufacturing
- TBM Equipment Revision

12. BEYLERBEYİ KÜÇÜKSU WASTEWATER TUNNEL / İSTANBUL

- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM Equipment Revision
- Belt Conveyor and Equipment Revision
- Tunnel Rail System Equipment Revision

13. TUZLA AKFIRAT WASTE WATER TUNNEL / İSTANBUL

- Disc & Cutter Head Equipment
- Tunnel & TBM and Steel Manufacturing
- TBM Equipment Revision
- Tunnel Rail System Equipment
- Manufacturing and Revision



14. BALTALIMANI WASTEWATER TUNNEL / İSTANBUL

- Tunnel & TBM and Steel Manufacturing
- TBM and TBM Equipment Revision

15. DUDULLU BOSTANCI METRO / İSTANBUL

- Steel Construction Manufacturing

16. AKKUYU NUCLEAR POWER PLANT / İSTANBUL

- TBM
- Tunnel & TBM and Steel Manufacturing
- Tunnel Rail System Equipment Revision

17. USKUDAR UMRANIYE CEKEKOY METRO / ISTANBUL

- Disc & Cutter Head Equipment
- Underground Construction Chemicals

18. YAVUZ SULTAN SELIM BRIDGE / İSTANBUL

- Steel Construction Works

19. TURKUAZ MEDIA GROUP HEADQUARTER / İSTANBUL

- Steel Construction Works

20.NUROL TOWER / İSTANBUL

- Steel Construction Works

21. SOFIA METRO / BULGARIA

- Disc & Cutter Head Equipment

22. ASIYAN FUNICULAR / İSTANBUL

- Tunnel Steel Construction Manufacturing

23. EŞME-SALİHLİ RAILWAY TUNNEL / UŞAK

- Disc & Cutter Head Equipment

DELIVERING EFFICIENCY.
HANSA-FLEX HD 210 EN 853 2 SN 10 WP 330 BAR MSHA IC-8/19 4Q20
TRAXION

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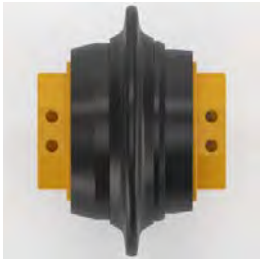
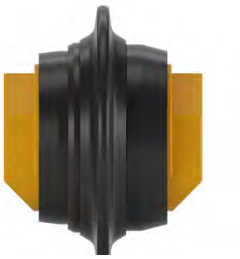
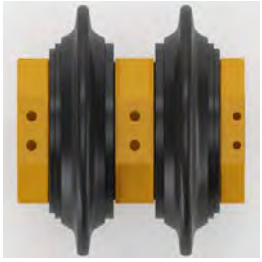
DISCS

We carefully investigate the tunnel geology of our clients' projects and select the cutter material, cutter types and heat treatment processes accordingly.

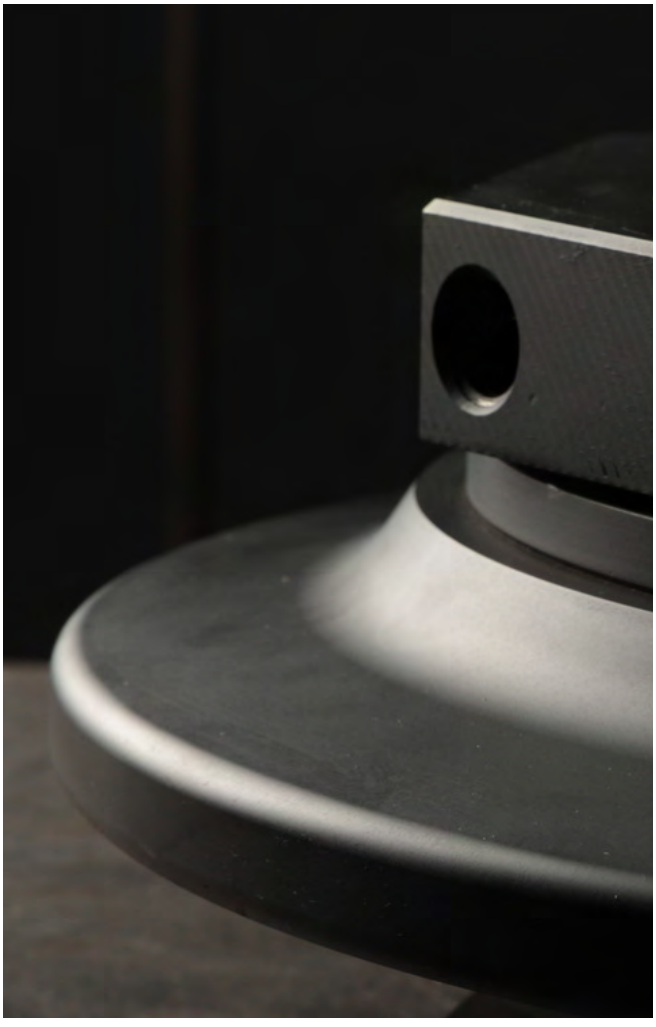
To achieve continuous improvement, we get feedback from the jobsites and manage our stocks and deliveries as per the changing needs and geologies of the tunnels.

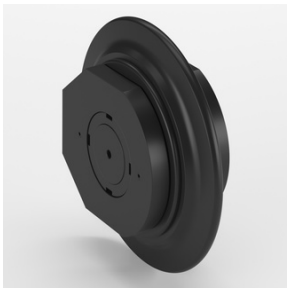



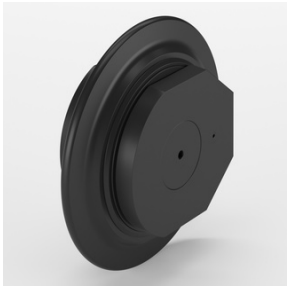
Twin DISC CUTTER



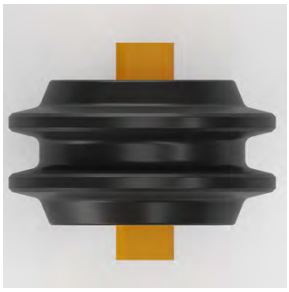
Center DISC CUTTER

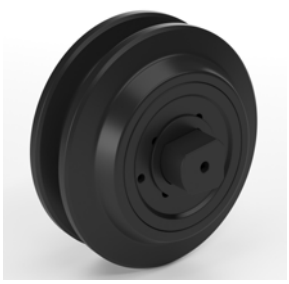




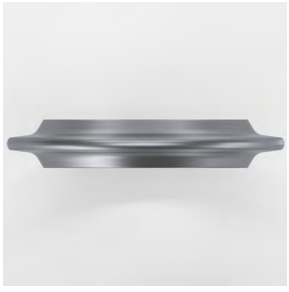


Monoblock Double DISC CUTTER



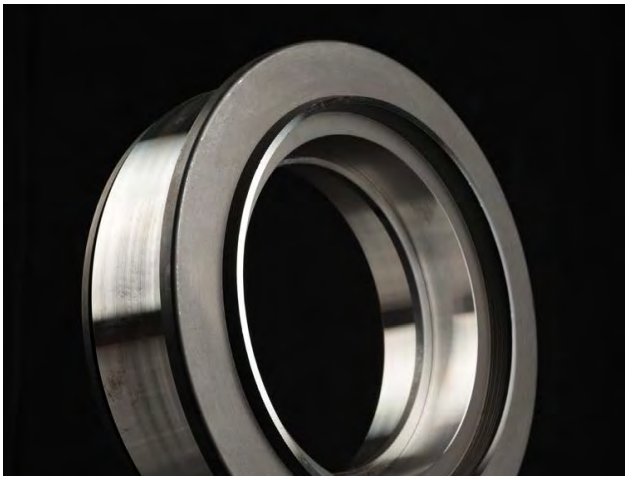


CUTTER RINGS

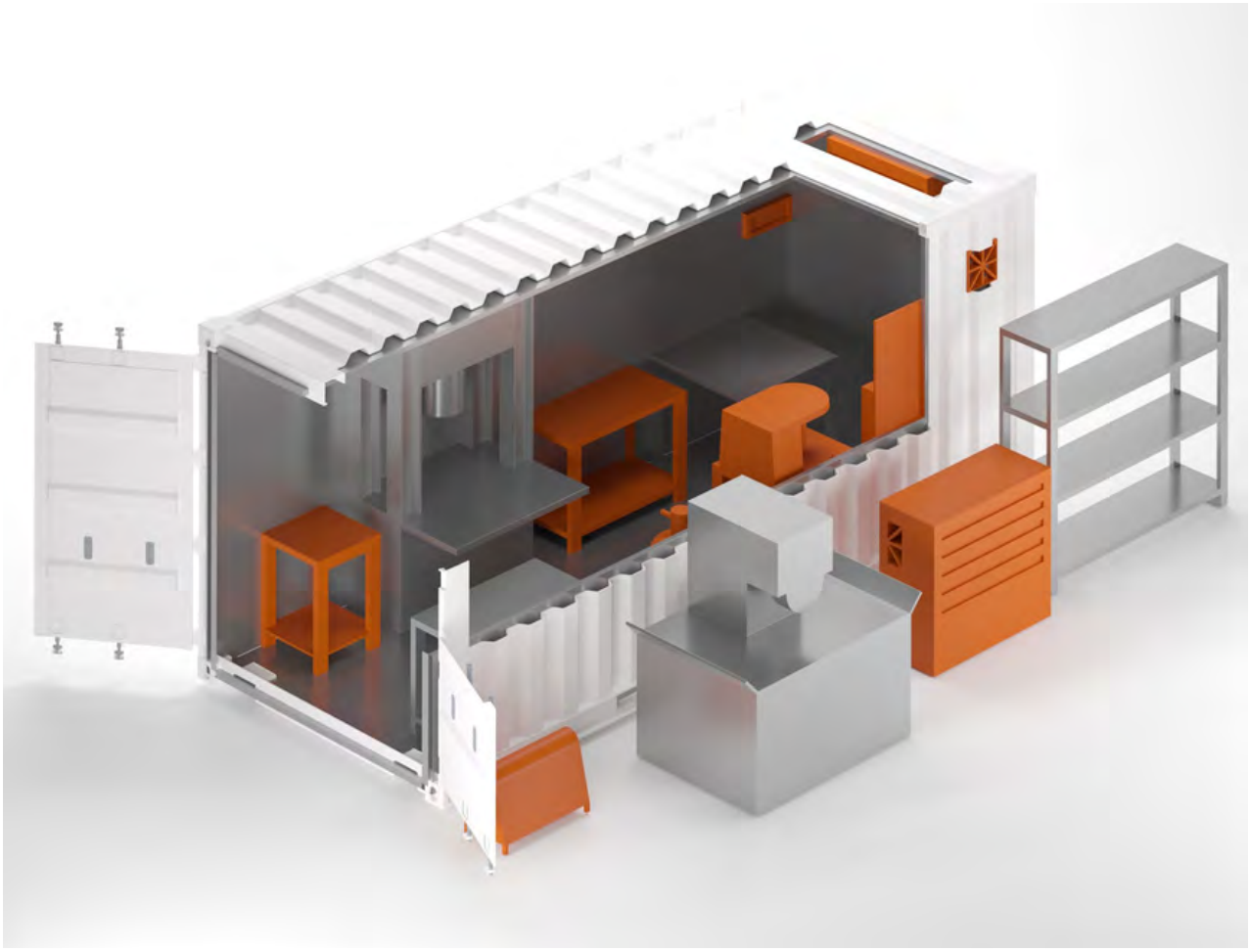


Exploded View of a Single Disc Cutter

Disc Cutter Spare Parts



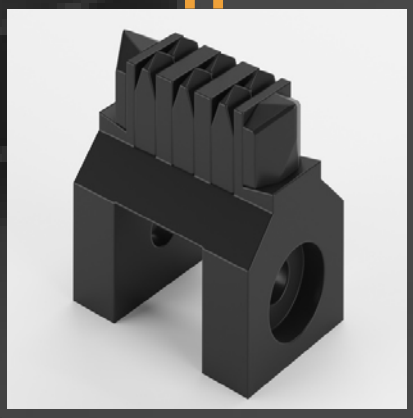
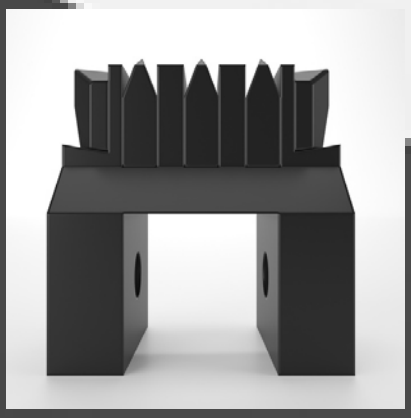
TRAKKOM



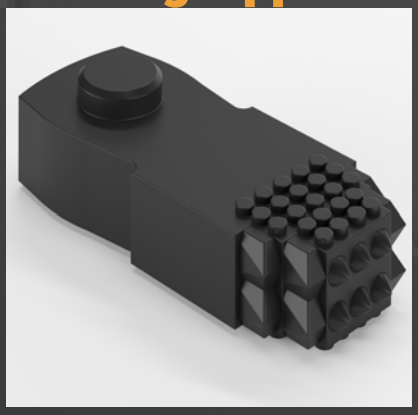
Disc Cutter Workshop

BUCKETS, SCRAPERS AND KNIVES

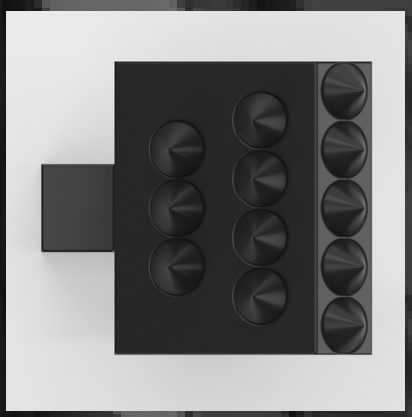
Fixed Ripper

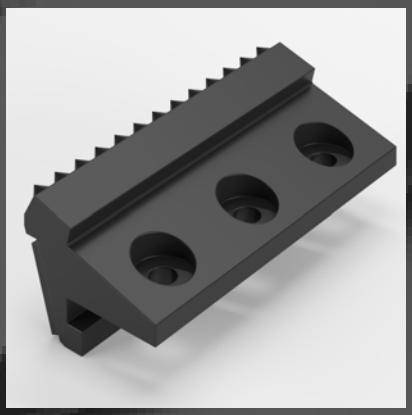
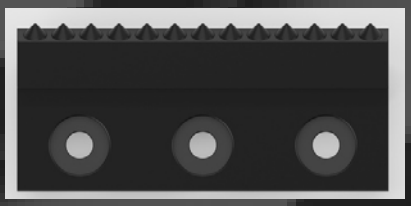
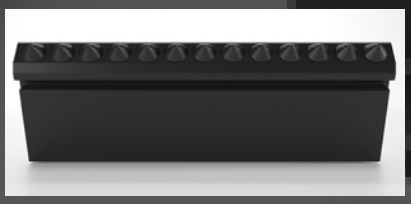
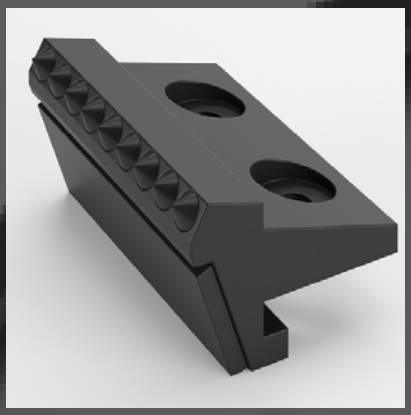
Rocking Ripper

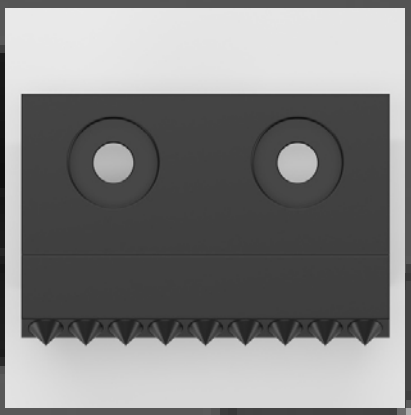


Knife Scraper

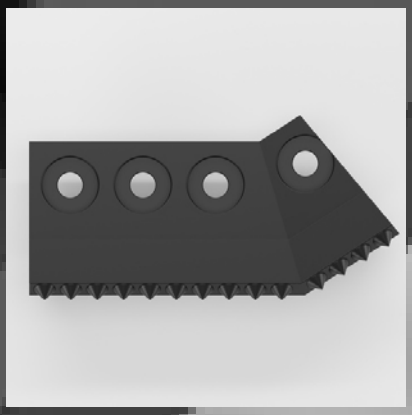


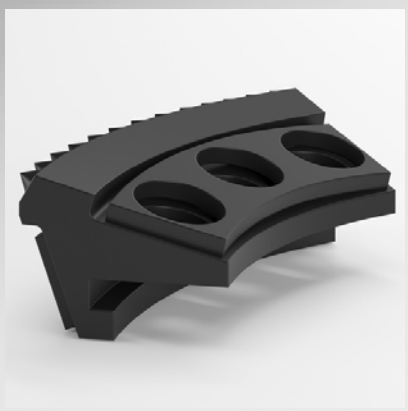
Face Scraper



Gauge Scraper

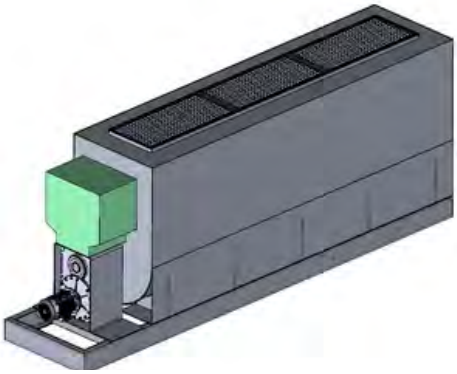


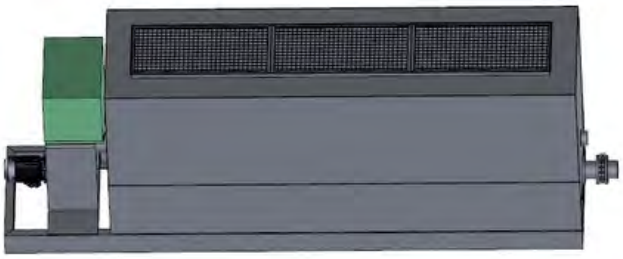


Knife Scraper

TUNNEL METAL WORKS

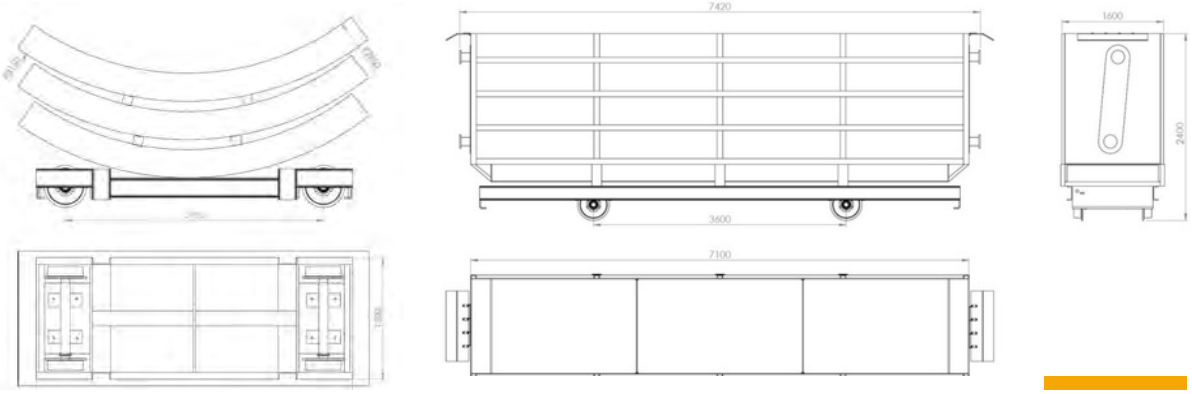
Grout Agitator





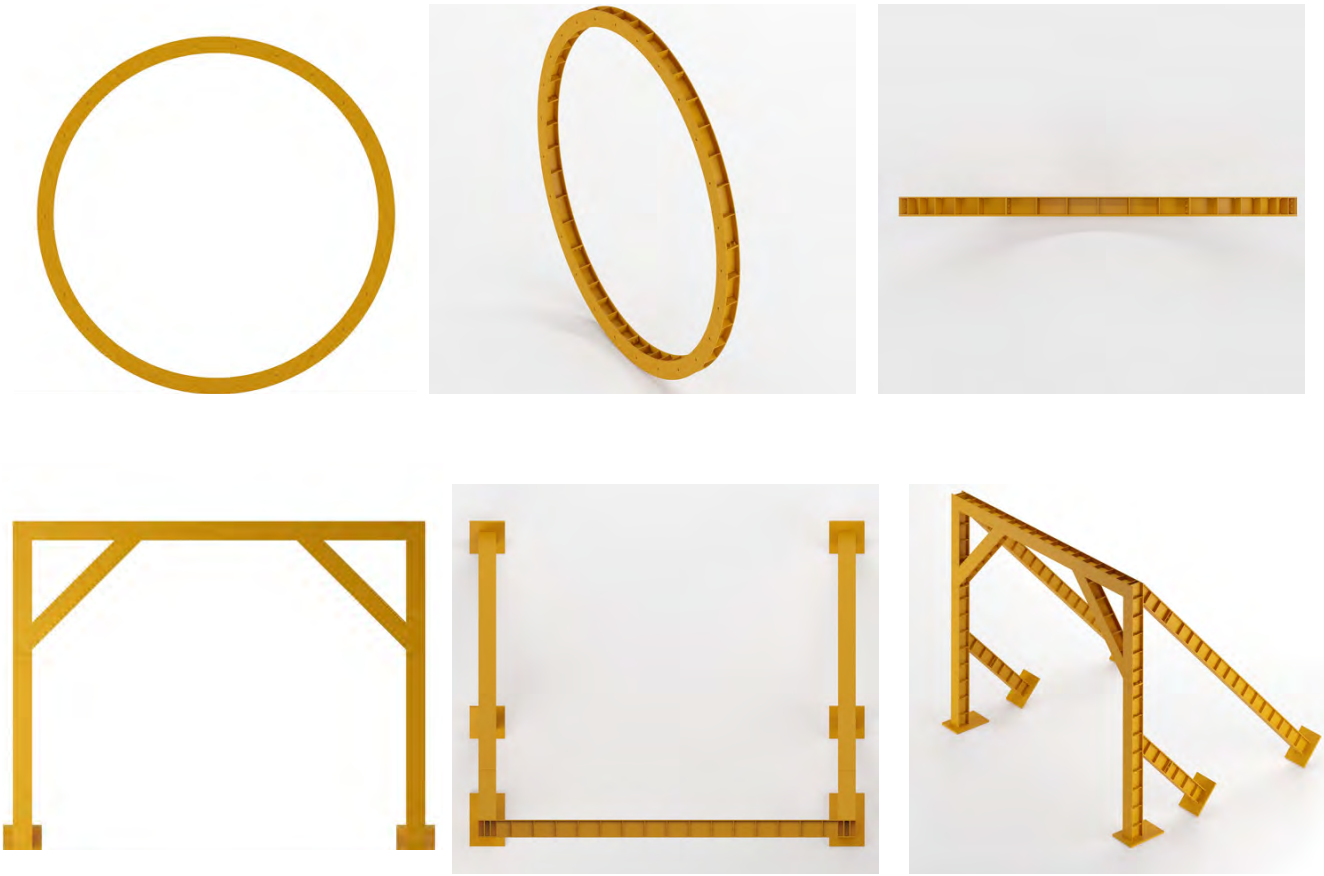
Ventilation Cassette

Rolling Stock



Segment Handling Device

Pressure Rings & Thrust Frames



Rail Sleepers

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Çerkezköy / Tekirdağ