

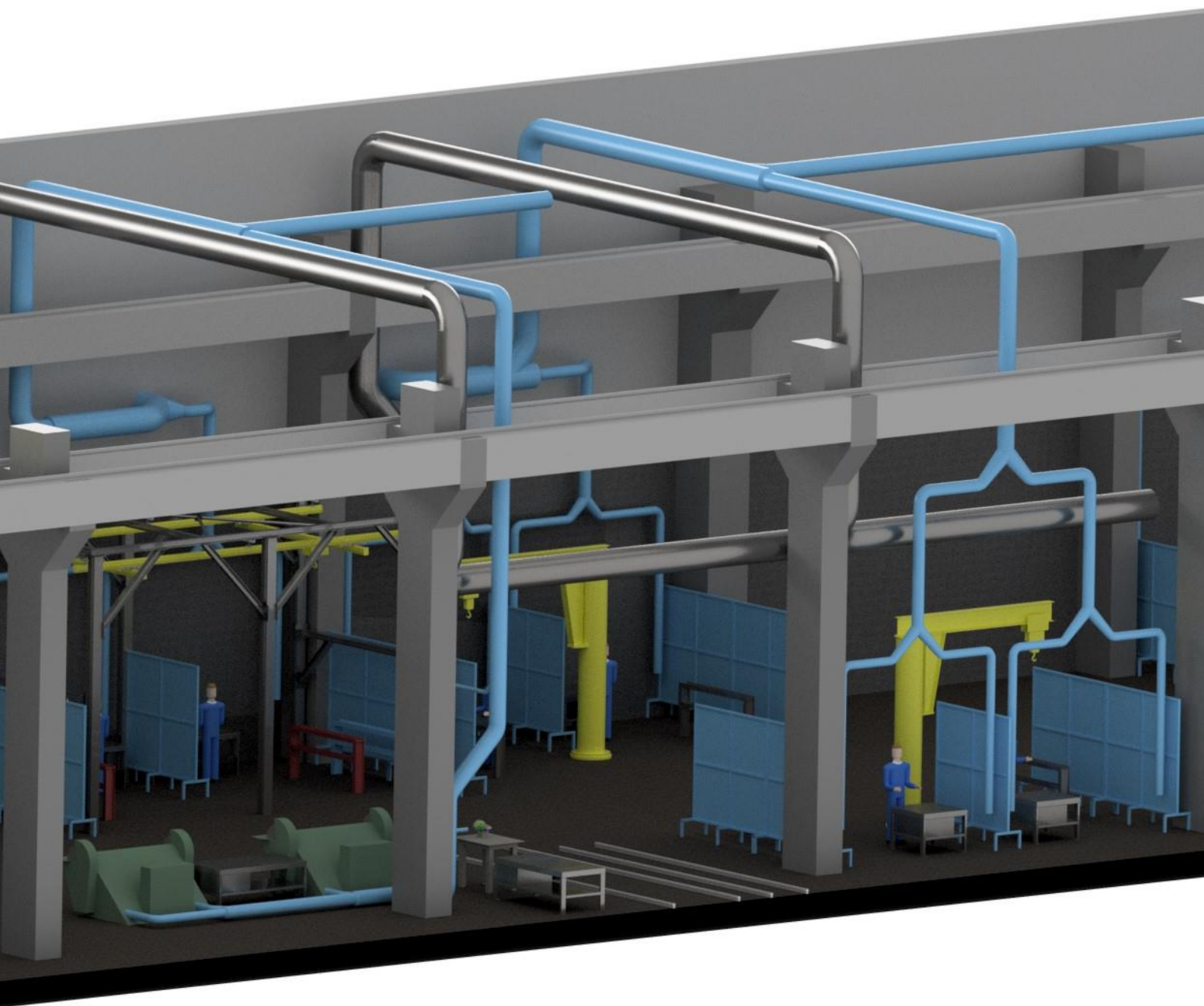
PROFILTR

WE MAKE THE WORLD CLEANER

Applications for the foundry, metallurgical, food, chemical, woodworking, and other industries.

Industrial filtration, capture, and separation of solid particles, droplets and aerosols, and gaseous impurities.

MANUAL WORKSTATIONS & SUSPENDED SYSTEMS



PRO – FILTR Brno, s.r.o.
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APPLICATIONS FOR INDUSTRIAL SECTORS – a brief overview

Our company is a supplier of high-quality and reliable equipment for industrial and manufacturing operations, including metalworking, welding, machining, assembly, and other specialized activities. With a focus on safety, efficiency, and ergonomics, we offer solutions tailored to the needs of our clients.

Types of industrial equipment:

- Welding tables
- Grinding tables
- Assembly tables
- Additional equipment: shelves, cabinets, assembly fixtures, etc.
- Welding fixtures
- Protective screens
- Doors (sliding, hinged, automatic)
- Handling hoists and suspended systems
- Slewing cranes
- Extraction systems

Key features:

- Quality: High-quality materials and workmanship.
- Safety: Products designed with maximum safety in mind.
- Reliability: Durable equipment with a long service life.
- Design: Engineered for purposeful and efficient use.

MANUAL WORKSTATIONS

Grinding, welding, and assembly tables

In every industrial sector, it is essential to have specially designed tables used for welding, grinding, and the final assembly of manufactured products. These tables feature a solid work surface and additional components that protect the work environment from sparks, splatter, and hazardous fumes. Such components include protective walls and side panels, as well as internal or external extraction systems. In addition to standard versions, we also offer custom-made welding and grinding tables, tailored in size and design according to your technical specifications.

You can choose from several options:

- With an integrated containment tray for safely capturing liquids and waste.
- With a back wall and folding side panels for enhanced protection and flexibility during work.
- With a built-in extraction system for removing harmful fumes and dust (requires a separate filtration unit).
- With an integrated extractor and secondary filter for efficient removal of harmful fumes and dust.

Additional and storage solutions:

- Shelves
- Cabinets (open, closed, lockable)
- Drawers
- Clamping fixtures (adjustable clamps and vices)
- Assembly fixtures (precise and secure component hold during welding)

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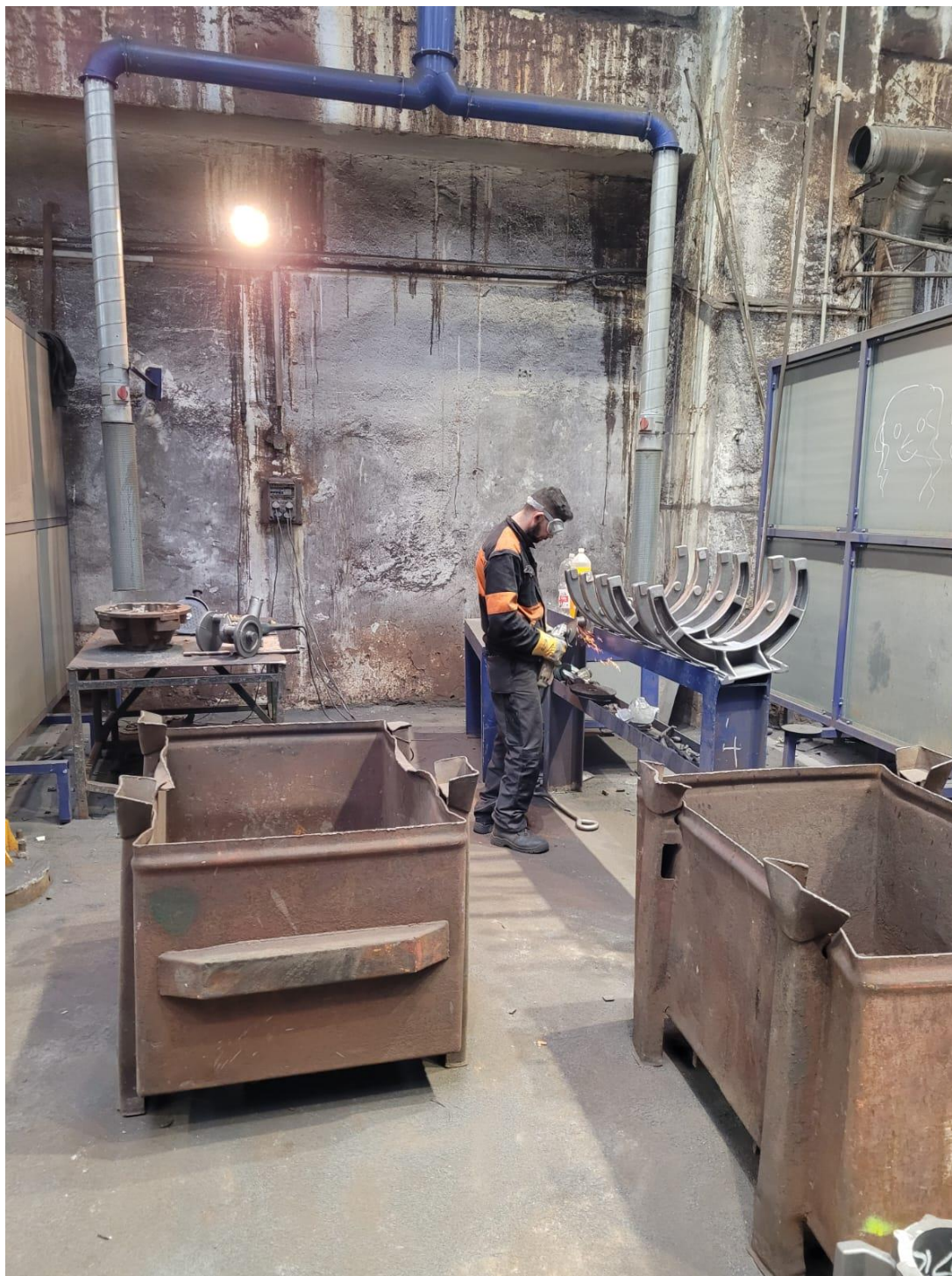
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GRINDING TABLES

Promet Foundry Vsetín (Implementation 2021-2023)



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PROTECTIVE ELEMENTS

Screens, walls, doors & gates

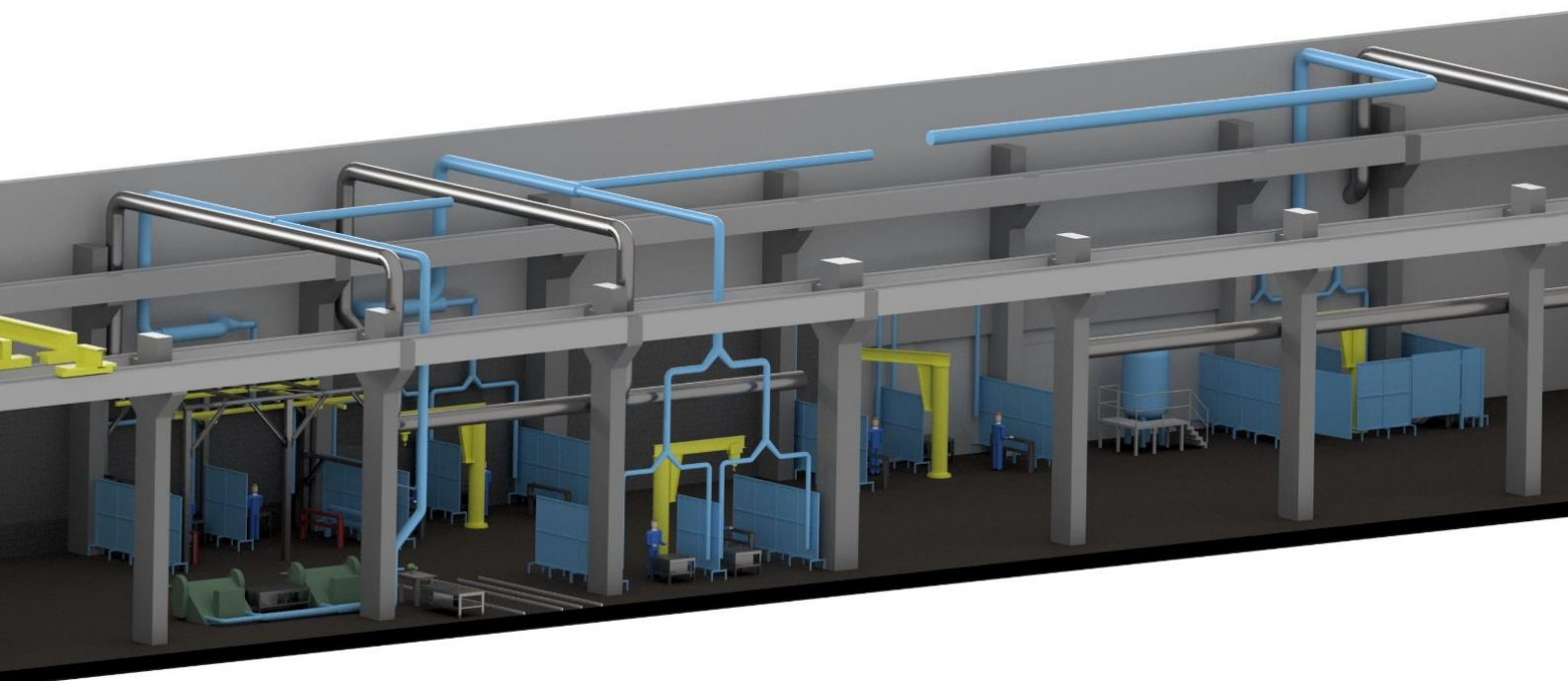
Protective elements are crucial for ensuring safety and efficiency in the workplace. Our screens, protective walls, gates, and doors are designed to provide reliable protection against hazardous factors such as sparks, noise, and dust that can arise during industrial processes. The high-quality construction and customization options of these elements allow for the creation of safe work zones and the effective separation of different work areas. We provide solutions that are flexible, robust, and meet the individual requirements of our customers.

Screens and protective walls:

- Mobile screens on wheels
- Fixed protective walls with the option to secure to the floor or wall

Vrata a dveře

- Sliding
- Swing
- Automatic (sensor or remote-controlled)



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HANDLING EQUIPMENT

Handling devices, hoists & overhead crane systems

Handling equipment is a key element of every modern industrial workplace, where it is essential to handle heavy loads safely and efficiently.

Handling hoists & overhead crane systems:

Handling hoists, as well as overhead crane systems, offer an exceptional combination of strength, flexibility, and adaptability. Designed with various workplace needs in mind, they enable easy material handling, significantly improving productivity and workplace safety. The result is better work organization, reduced physical strain on employees, and long-term reliability of the equipment.

- Variable design according to workplace needs
- Load capacity up to xxxx kg

Pillar and cantilever cranes:

Standard pillar and cantilever cranes provide a simple and flexible solution for material handling in any workplace. With a wide variety of sizes and types, pillar and cantilever cranes can optimally address various requirements for load capacity, swivel range, and equipment – such as manual or electric arm rotation, hoist travel, or lifting. The parameters of pillar cranes can be customized precisely according to the customer's needs to simplify local load handling in indoor environments. If necessary, modifications for outdoor use or harsh conditions can also be made.

- Variable design and control
- Load capacity up to xxxx kg

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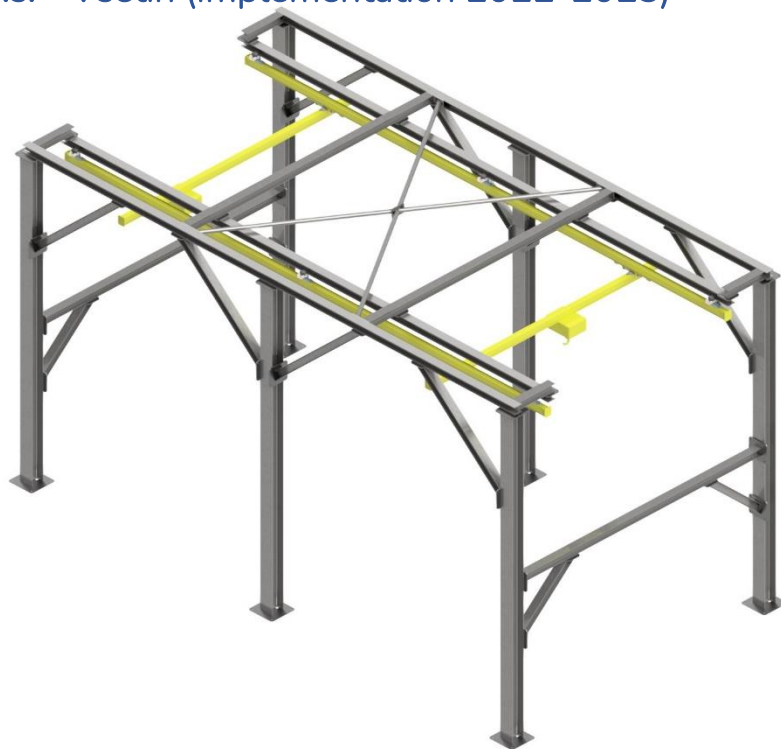
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OVERHEAD CRANE SYSTEM – load capacity 2x 250 kg

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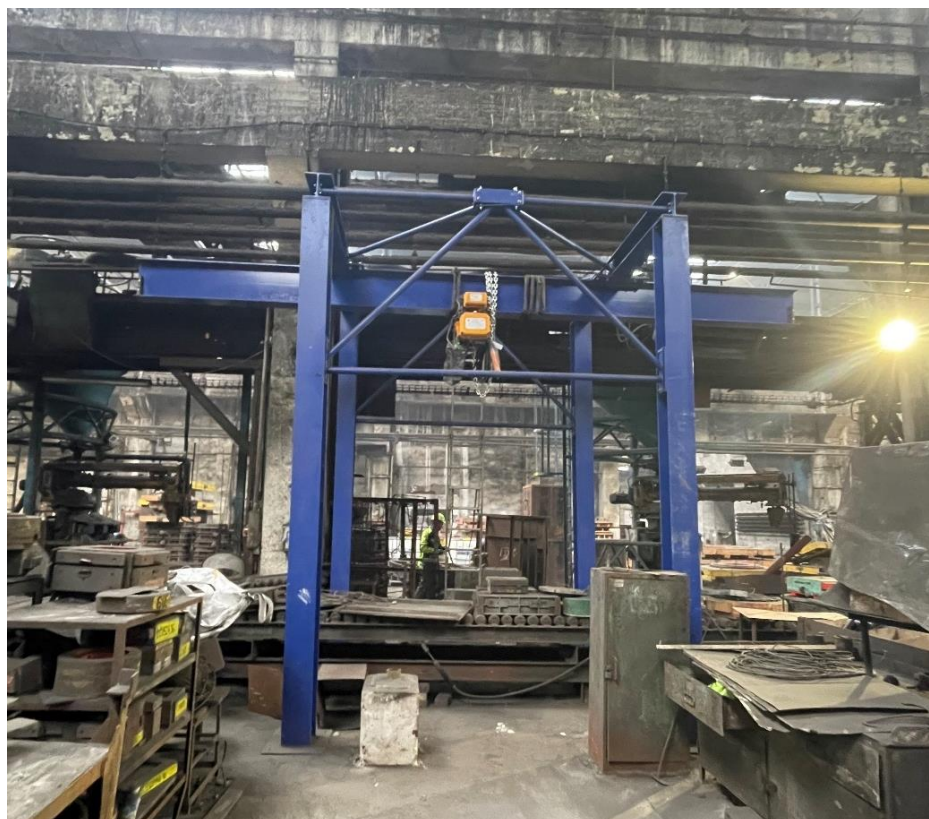
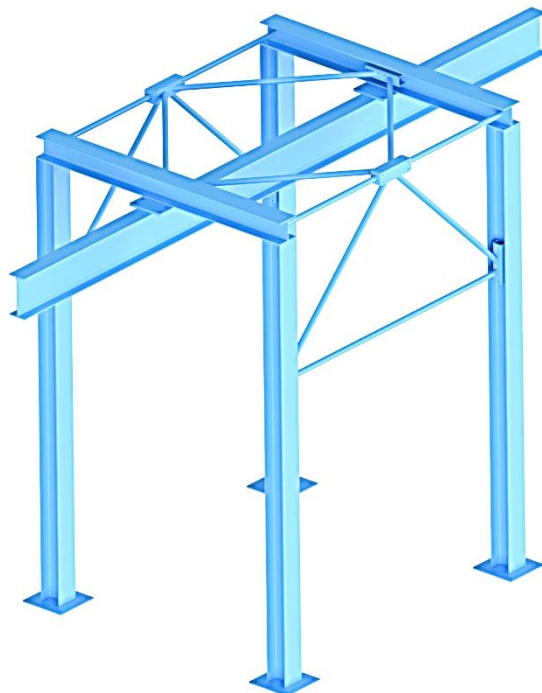
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OVERHEAD CRANE SYSTEM – load capacity 3 000 kg

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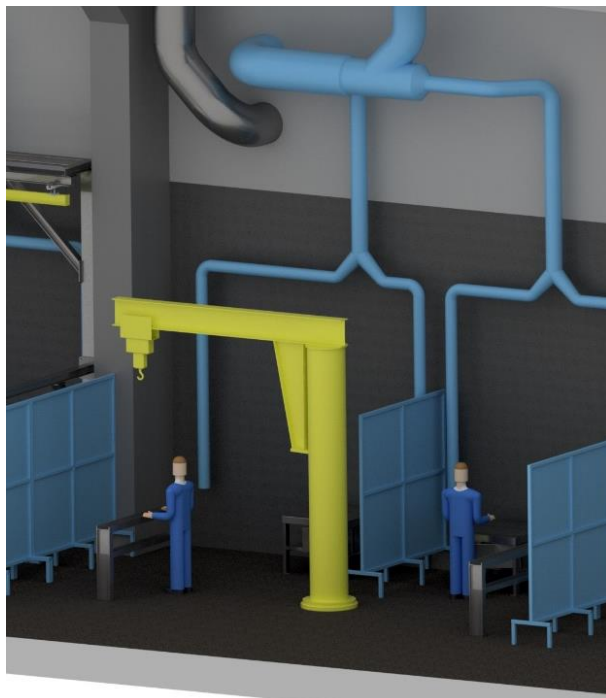
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PILLAR CRANES – load capacity 3,000 kg

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EXTRACTION SYSTEMS

Fumes generated during welding, grinding, or metal cutting can have serious adverse effects on human health. The smoke produced during the welding process contains a large amount of toxic dust particles that can easily enter the respiratory system and cause irreversible damage with prolonged exposure. Using extraction and filtration systems (industrial extraction) effectively reduces the risk of permanent health damage to welders and workers, helping to create a safer and more user-friendly working environment.

Equipment:

- Comprehensive extraction systems (Filtration equipment with a capacity of 1,000-100,000 m³/h)
- Filtration units

Accessories:

- Extraction arms
- Extraction screens
- Extraction cabins
- Extraction hoods
- PUSH-PULL systém
- Secondary filtration equipment (filter cartridges, HEPA filters)

Installation and maintenance:

- Complete turnkey delivery and installation
- Warranty and post-warranty service



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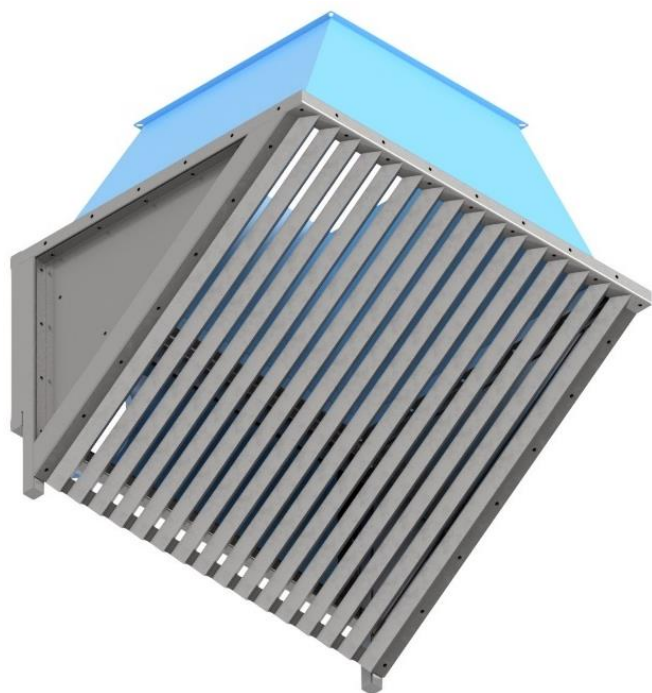
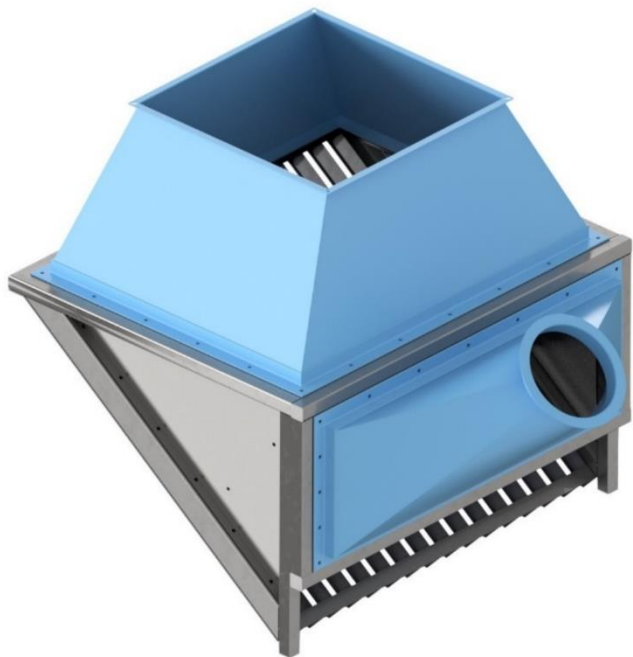
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EXTRACTION HOOD (Workstation for slag removal)

Draxton Brno, s.r.o. - Brno (Implementation 2024)



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LOCAL EXTRACTION FOR GRINDING AND WELDING WORKSTATIONS

Železářny Štěpánov, s.r.o. – Štěpánov nad Svratkou (Implementation 2022-2023)



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LOCAL EXTRACTION FOR FOUNDRY

Metalurgie Rumburk, s.r.o. – Rumburk (Implementation 2016-2017)



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EXTRACTION (MODIFICATION) CABIN

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