PFLITSCH

Passion for the best solution

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PFLITSCH has inspired customers all over the world for 100 years. Now we would like to inspire you – with the **best solution for your application** and one that is sure to enhance your processes. We can make this promise to you because we are not only extremely familiar with the requirements of various industries, such as railway engineering, chemicals, food processing and pharmaceuticals, but are also committed to fulfilling the specific requirements of our customers. The result is an **intelligent system** of solutions for your cable routing, cable glands and cable protection. Furthermore, should you find none of our solutions are suit-able for your needs, we will set about finding an **individualised solution** for you.

To be sure that the best solution is the most suitable, functions reliably and has the longest-possible service life, we put a great deal of time and effort into quality management. **Certifications** and **stringent testing** ensure you receive products that consistently meet our high standards. And because the best solution today will not automatically still be the best tomorrow, we are continually working on innovations and product improvements. This involves us in continuously seeking feedback and opinions from our customers, with whom we are in close contact through a worldwide network of sales partners.

All this shows that we are on the right track: PFLITSCH products have long stood for **"Made in Germany" quality** worldwide.

CABLE**GLAND**

CABLE**PROTECTION**

CABLE**TRUNKING**

CABLE**GLAND**

blueglobe cable gland

*blue*globe

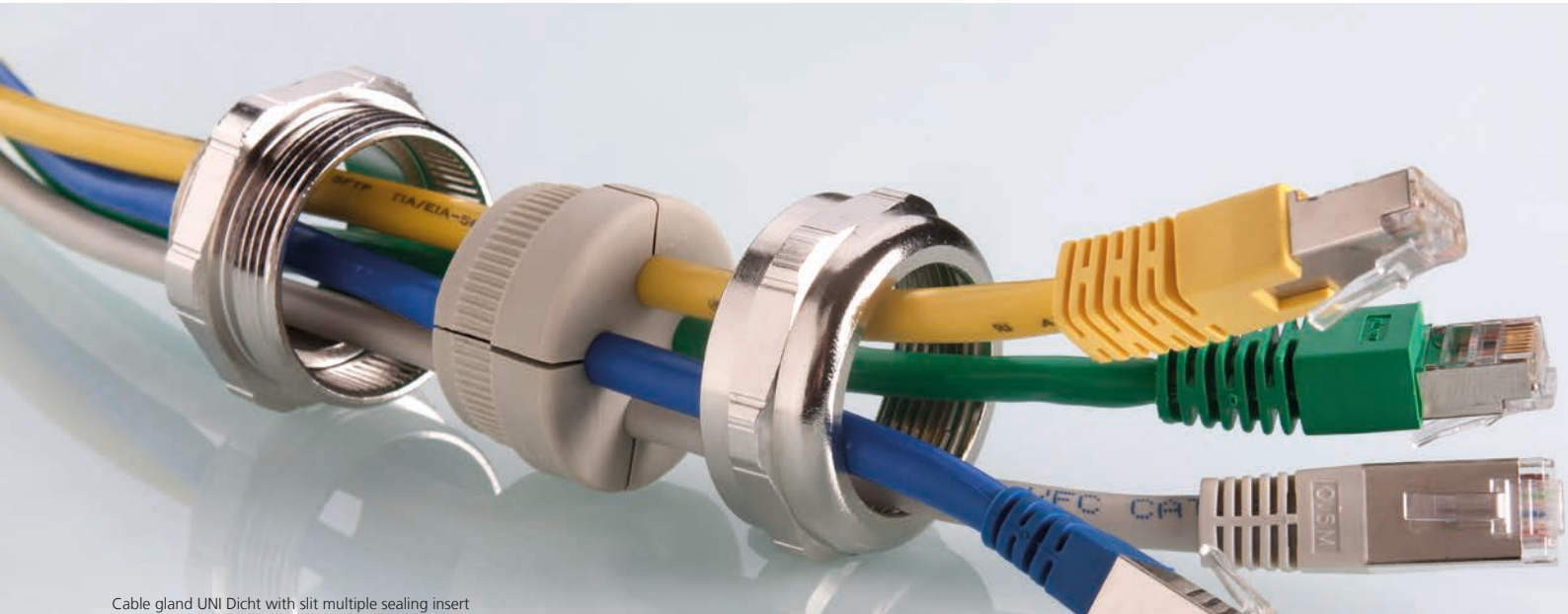### Your solution that covers large sealing ranges with just a single cable gland

Your requirement:

· Realize large sealing ranges with only one cable gland size and maximum tightness

· Good strain relief, maximum degree of protection, operational safety, resistance and durability

· Versions for use in explosion hazard, EMC, hygiene and high-temperature environments

Product description

· Low number of parts for a wide range of applications

· Spherical sealing insert ensures very high strain relief up to class B, EN 62444

· Removable inlet for high sealing ranges

· Protection type IP 68 up to 15 bar and IP 69

· Cable gland bodies of brass, stainless steel and plastic

· Sealing inserts of TPE and high-temperature silicone

· M8 to M85, cable diameters from 2 mm to 76 mm

· Clear markings on the pressure screw and sealing insert

· Variant available for hygienic applications certified by EHEDG and DGUV

· Explosion protection and EMC solutions

· High-pressure variant fulfils protection type IP 68 up to 30 bar (up to one hour)

CERTIFIED
EHEDG
EUROPEAN HYGIENIC ENGINEERING & DESIGN GROUP
TYPE EL
CLASS I AUX
MAY 2016

DGUV Test
NV 13132
Sicherheit geprüft
tested safety

product
design award
iF
2014

Cable gland UNI Dicht with slit multiple sealing insert

UNI Dicht

Your solution for all applications – thanks to the modular system

Your requirement:

· One system for all applications – simply assemble your own custom solution

· High degree of protection, operational safety, resistance and durability

· Securely seal several cables of different diameters in a single hole

· Versions for use in explosion hazard, EMC and high-temperature environments

Product description

· Modular system with more than 6,000 components facilitates individual solutions (M4 to M120/Pg 7 to Pg 48)

· Sealing inserts for single or multiple cables, flat and special cables and for pre-assembled cables

· Cable gland bodies of brass, stainless steel, PA and PVDF plastic

· Sealing inserts of TPE, TPE-V and silicone that are highly resistant and have a wide range of operating temperatures

· "Soft pinching" ensures compliance with types of protection IP 68 (up to 10 bar)/IP 69

· Metric and Pg connection threads together with NPT and inch connection threads

· Elbow cable glands for routing cables through 90°

· Can be combined with hoses

· Explosion protection and EMC solutions

· Fire protection complying with EN 45545

CABLE**GLAND**

Completely splittable – UNI Split Gland and UNI flange

Split cable gland

Your solution for sealing pre-assembled cables

Your requirement:

· Secure sealing of cables and pre-assembled cables

· Quick and easy assembly, also outside the production process

· Securely seal several cables of different diameters in a single hole

Product description

· Fully splittable cable gland systems made of plastic and metal

· No need to disconnect cables or disassemble plugs – the cable gland systems can be installed around the cables

· Cable gland UNI Split Gland in sizes M20–M32 and flange systems UNI flange for standard hole cut-outs for 24-pole connectors

· Quick and easy installation of pre-assembled cables

· Large selection of split sealing inserts from the UNI Dicht system

· Very high types of protection IP 66/IP 67

· Outstanding strain relief values in accordance with EN 62444

· Easy installation thanks to its few components

blueglobe TRI made of brass

EMC cable gland

Your solution for reliable attenuation of electromagnetic waves

Your requirement:

· High attenuation and high current-carrying capacity

· Variety of variants for standard or special applications –
  with ATEX approval, too

· Quick and easy installation

Product description

· Broad product range of EMC cable glands for different applications

· M12 to M85/Pg 9 to Pg 48

· Secure 360° contact

· High screening attenuation level certified to IEC 62153-4-40

· High current-carrying capacity

· "Soft pinching" sealing principle

· Variants from the UNI Dicht and blueglobe programme range

· Cable gland bodies of brass and stainless steel

· Explosion protection solutions

· Multiple EMC cable glands

· Solutions for marine applications

· EMC adapter as extension for standard cable glands and splittable EMC
  connection bracket for rigid cables

· KoKeT – a measurement system developed by PFLITSCH to determine the
  shielding effect in accordance with IEC standard 62153-4-10

CABLE**GLAND**

LevelEx cable gland with cascading sealing system

Ex cable gland

Your solution with certified protection for potentially explosive atmospheres

Your requirement:

· Certified according to current ATEX guidelines for maximum safety

· Approval for equipment class II and explosion protection types d and e

· Also available in an EMC variant and for sealing several cables of different diameters in a single hole

Product description

· Certified for equipment class II gases, dusts and for ignition protection categories "e" (increased safety) and "d" (explosion-/flameproof)

· Can be used in potentially explosive zones 1, 2, 20, 21 and 22

· Ex-e: UNI Dicht and blueglobe programme

· The product characteristics of UNI Dicht and blueglobe remain unaffected

· Ex-e/Ex-d: LevelEx series with cascading sealing principle

· Certified in accordance with EN 60079-0 and EN 60079-31

· Protection type IP 68 (up to 15 bar)

· Cable gland bodies of brass and stainless steel

· IECEx and EAC certified

· EMC variants

· Multiple cable glands

UNI HF-UL Dicht Hose cable gland with UL hose

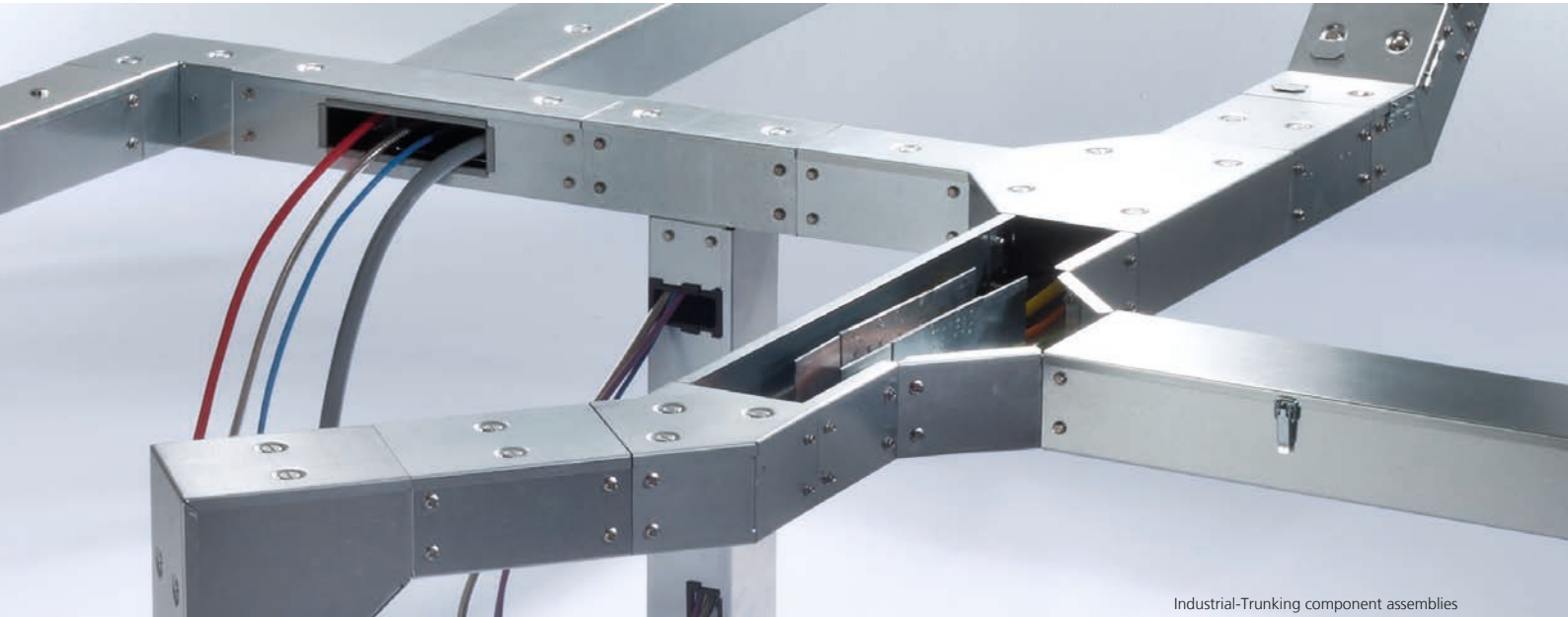# Hose cable gland, hose gland, hoses and corrugated conduits

Your solution for perfect cable protection

Your requirement:

· Optimum cable protection against mechanical, thermal or chemical influences

· Easy combination with different hoses and corrugated conduits

· Wide range of applications thanks to the UNI Dicht modular system – even EMC-safe

Product description

· Cable glands with hose adapters compatible with the UNI Dicht system

· Suitable for PFLITSCH tube and corrugated conduit programme

· The UNI Dicht sealing principle ensures cable sealing to protection type IP 68

· Hose cable glands with EMC protection

· Flexible and secure cable protection for the most demanding industrial applications

CABLE**TRUNKING**

Industrial-Trunking component assemblies

Industrial-Trunking

Your solution for smart, high-quality and safe cable routing

Your requirement:
· Robust cable trunking system with a wide range of component shapes for customised routes · Efficient routing of large numbers of cables over long distances · Easy to open for inserting and removing cables

Product description

· Individual trunking routing using accessory fittings such as angles, outlets or crossings

· Cross-sections from 50 mm x 50 mm up to 600 mm x 150 mm

· The trunking can be opened in various cover positions over the entire length. Benefit: The cables can be inserted

· Three-dimensional routing by large selection of accessories

· Robust and low-burr construction

· Different cover latches are available

· Trunking and covers are made of sheet steel, stainless steel and aluminium and can be painted according to the customer´s specifications

· The trunking routing can be designed using the 3D planning tool easyRoute

· Automobile-Trunking for floor-mounted installation with walk-on loading of up to 1,200 N

· Comprehensive range of machines and tools for cutting trunking to length and making cut-outs

· Available as ready-to-install component assemblies

VARiOX-Trunking component assemblies

VARiOX-Trunking

Your solution that efficiently masters all standard applications

Your requirement:

· Cover long distances quickly and easily
· Small number of components for efficient assembly and storage
· Easy to open, even without tools

Product description

· Innovative trunking system with a manageable level of component diversity – the clever solution for all standard applications
· VARiOX Quick connectors and self-engaging covers allow trunking to be quickly and easily installed without additional tool
· VARiOX Quick connectors cleverly invert to allow snap-in or screwed assembly of trunking components
· The VARiOX modular system consisting of various sizes and accessory fittings – can be modified or added to at any time using components from PFLITSCH Industrial-Trunking
· Optimised material thicknesses and trunking component lengths of only 2,000 mm result in a lightweight yet strong construction
· All PFLITSCH-specific services, like the component assembly service and the planning tool easyRoute, are also available for the VARiOX system
· Simple to cut and shape using PFLITSCH tools and machine tools
· Highly economic: The simple yet comprehensive system is efficient to design, easy to handle and quick to install

CABLE**TRUNKING**

PIK-Trunking component assemblies

PIK-Trunking
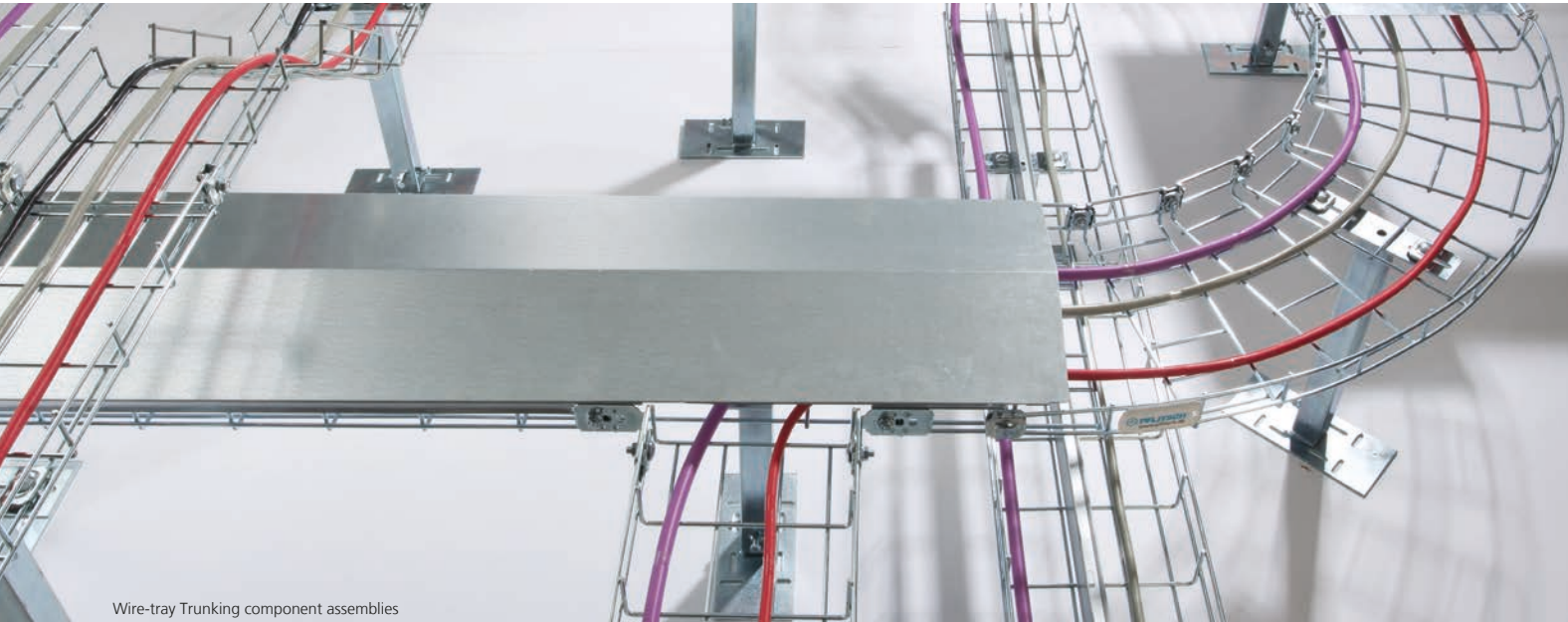
Your solution for routing small numbers of cables

Your requirement:

· Safe routing of small numbers of cables – including through tight spaces

· Easy to open over its entire length

· High dimensional stability and reliable edge protection

Product description

· Installation trunking for a small number of cables

· Cross-sections of 15 mm x 15 mm up to 200 mm x 60 mm

· Cables can be inserted over the whole length

· Can be combined with the Industrial-Trunking

· Can be closed with the practical snap-on cover

· Accessory fittings can be used to achieve three-dimensional trunking routing

· Edge protection for lateral cable outlets and at the end of the trunking

· The PIK-Trunking is available in sheet steel and stainless steel and can be painted according to the customer's specifications

· Machines and tools for working with the trunking

· Available as ready-to-install component assemblies

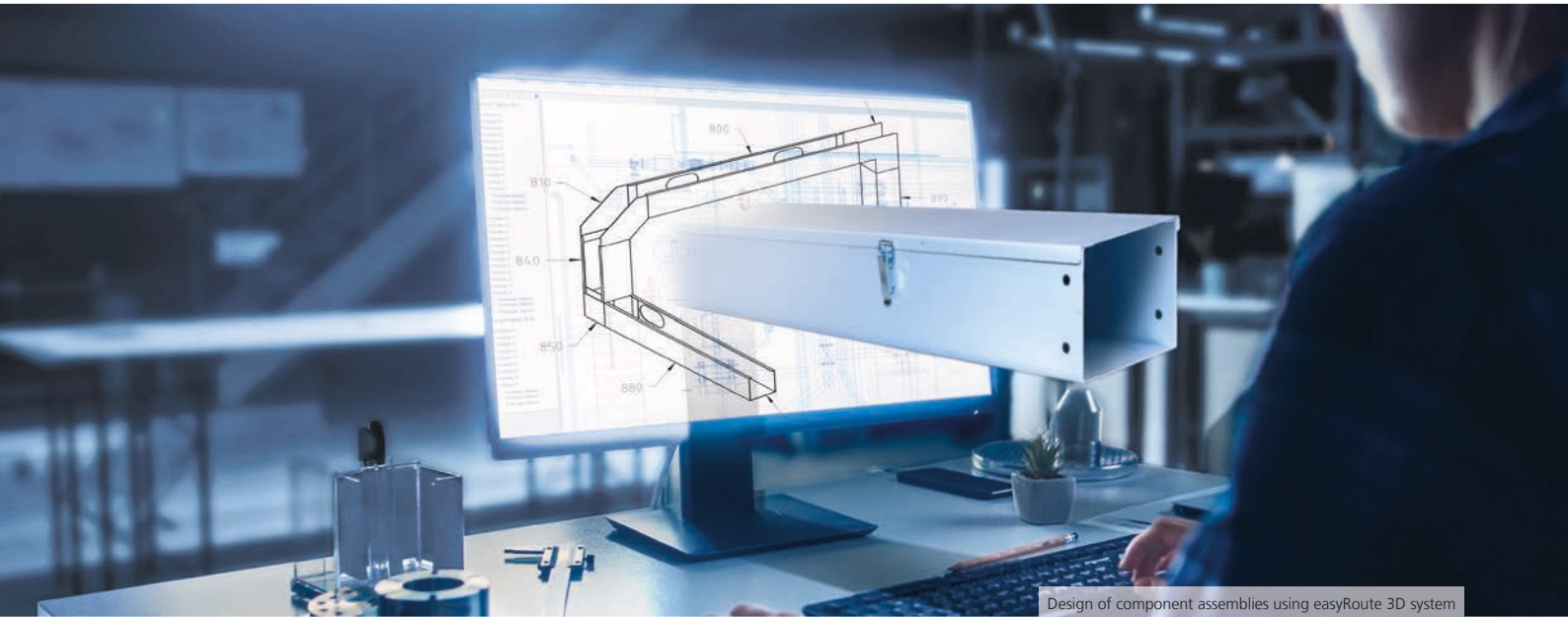Wire-tray Trunking component assemblies

Wire-tray Trunking

Your solution for open and clear cable routing

Your requirement:

· Clear laying of cables for easy cleaning and ventilation
· Safe, very strong, corrosion-resistant and easy to install
· UL and DNV GL approval for offshore use

Product description

· Open trunking system made from electroplated or hot-dip galvanised steel and stainless steel
· Easily managed cable placement
· Safe, very strong and corrosion-resistant construction
· Easy to cut and shape, installed using very few tools and connectors
· Easy to clean, well ventilated
· Customised cable routing without accessory fittings
· Various cover variants for (increased) protection from mechanical damage and dripping liquids
· A wide range of Wire-tray Trunking cross-section shapes (U, C, G, etc.)
· Sizes: 40 mm x 20 mm to 620 mm x 110 mm
· Solid wire cross-sections for high dimensional stability
· Comprehensive range of fastenings
· Machines and machine tools for processing
· Can be designed using the 3D design tool easyRoute
· Available as ready-to-install component assemblies

CABLE**TRUNKING**

Design of component assemblies using easyRoute 3D system

Component assemblies 4.0

Your fixed-price solution: ready-to-install trunking layouts

Your requirement:

· Ready-to-install trunking assemblies at an affordable
  fixed price for dependable costing
· Delivery on schedule, installation on-site if desired
· Plan your routes yourself using the free 3D planning tool

Product description

· Advice, design, pre-assembly and installation – all from under one roof
· Component assemblies that are ready to install on time, for a fixed price
· Customised cut-outs, mounting components or customer-specific paint-
  work
· Transparent costs and potential saving up to 20% in terms of overall costs
· The easyRoute CAD system supports individual trunking routing and
  generates part and order lists
· Drawing can be integrated into the customer's CAD system

PFLITSCH machines for processing cable trunking

Machines and tools

Your solution for simple DIY cable trunking assembly

Your requirement:
· Reliable, DIY, on-site assembly of trunking systems
· High quality and safety during processing
· Considerable time- and cost-saving potentials

Product description

· Machines and tools for easy cutting of cable trunking

· The right machine for any cable trunking:

  MiniCut – suitable for cutting PIK-Trunking to length

  MultiCut – customisable cutting plate for cutting different types of PFLITSCH cable trunking exactly in line with your wishes

  MaxiCut – perform lots of cutting operations easily, fast and reliably

· Hydraulically and manually operated drives for efficient working

· Reliable cutting of parts with clean and burr-free edges

· Mobile and stationary tools for precise lateral cut-outs or for notching the side walls of wire-tray trunking

· Less scrap and reworking

· Rapid return on investment through time savings and an attractive price-performance ratio

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