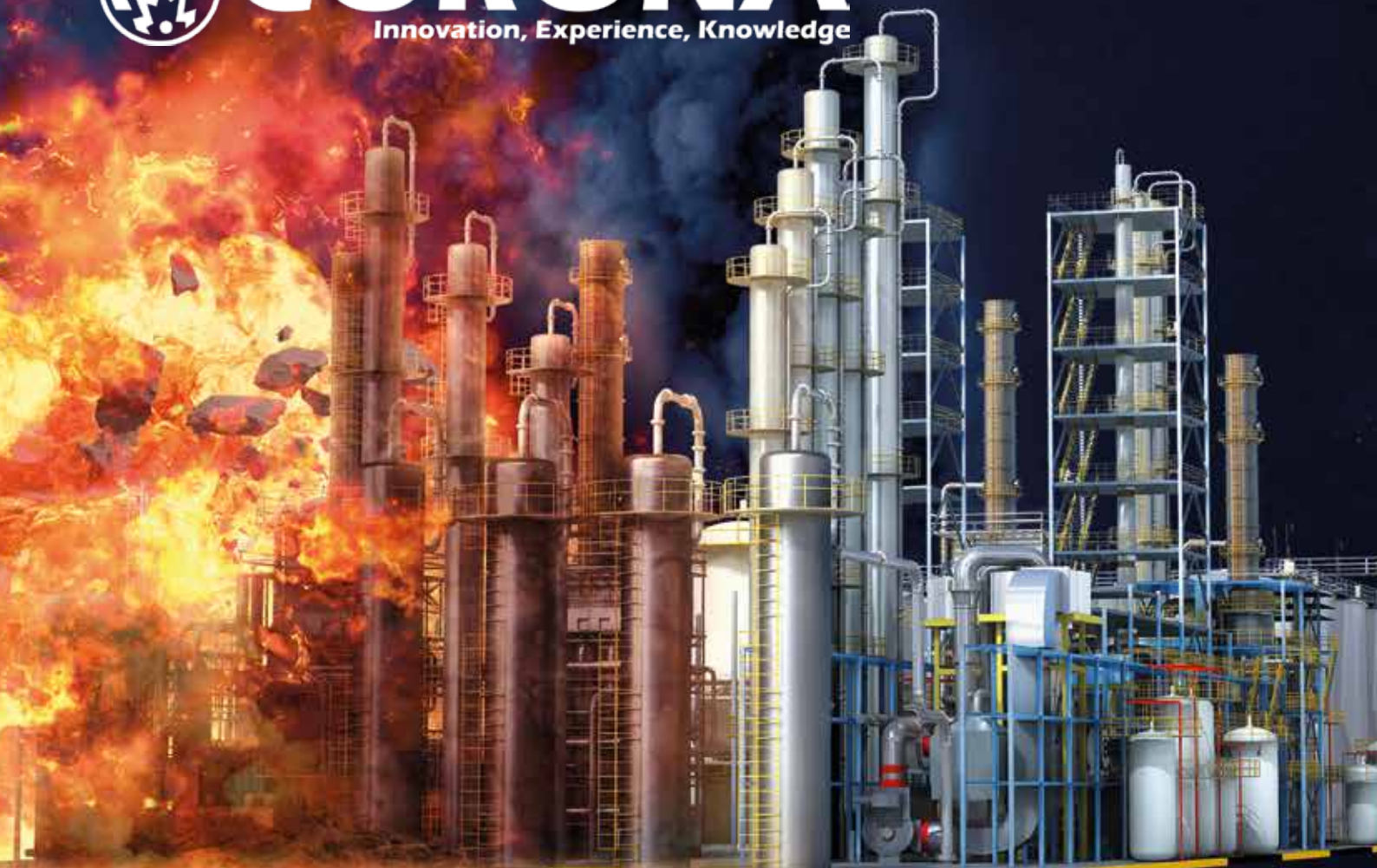




CORONA

Innovation, Experience, Knowledge



CATALOGUE

SAFETY SYSTEMS AND PRODUCTION
SOLUTIONS FOR INDUSTRY

ABOUT US

SOLUTIONS FOR EVERY INDUSTRY

For 35 years, we have been involved in developing the most modern explosion protection and process safety solutions for the Polish market. We cooperate with the best manufacturers in Europe and the United States.



**35 YEARS OF
EXPERIENCE**



**100% POLISH
COMPANY**



**FULL SERVICE
IN PROJECTS**



**HIGHEST QUALITY
GUARANTEED**



**COMPLEX PROJECT
MANAGEMENT**



**FLEXIBLE TERMS
OF PARTNERSHIP**

ABOUT US

OUR MISSION

For the past three decades we have been implementing the most modern solutions in the field of explosion protection and ensuring the continuity of the production process on the Polish market. We perform our tasks comprehensively -from the design and selection of an appropriate protective device, through its installation, to its subsequent service.



PRODUCTS OFFERED

PORTFOLIO



**ACTIVE AND PASSIVE EXPLOSION
PROTECTION SYSTEMS**



PROTECTION AGAINST OVERPRESSURE



PREVENTION DEVICES



TRANSFORMER PROTECTION



**PUMPING SYSTEMS AND SOLUTIONS FOR
THE PLASTIC INDUSTRY**



ELECTROSTATIC PROTECTION



**ELECTRICAL ENGINEERING AND MOBILE
DEVICES**



ATEX DOCUMENTATION



ACTIVE

EXPLOSION PROTECTION SYSTEMS

Active explosion protection systems are characterised by the detection of an explosion in its early stages. Sensors detect an increase in pressure and/or light and then send a signal that an explosion has been detected to the control panel.



1 OPTICAL/PRESSURE
SENSOR



2 CONTROL UNIT
EPACO



3 HRD
EXPLOSION SUPPRESSION



4 SRD DECOUPLING
CYLINDER



5 FAV - FAST ACTING
VALVE

PASSIVE

EXPLOSION PROTECTION SYSTEMS

Explosion relief is one way of securing installation safety on worksites. It involves releasing the blow-out pressure through the venting system.



**1 EXPLOSION
VENT PANELS**



**2 DFI™
VALVE**



**3 VENTEX™
VALVE**

PASSIVE EXPLOSION ISOLATION SYSTEMS

FLAMELESS RELIEVING

One of the most commonly used solutions for protecting installations in the industry is the use of explosion vent panels in combination with flame arresters.



FLAME ARRESTER
FLAMQUENCH II SQ



FLAME ARRESTER
ELE-QUENCH

PROTECTION

AGAINST OVERPRESSURE

The most effective protection of process systems against overpressure are safety valves and safety plates. These are considered the primary type of protection against pressure build-up.



**BREATHER
VALVES**

Overpressure, underpressure
and overpressure/underpressure



**FLAME
ARRESTERS**

To protect pipelines and
installations from the effects
of ignition.



**BURSTING/RUPTURE
DISCS**

For industrial and sanitary uses

PREVENTION

Spark detectors monitor pathways in the wiring network that could catch fire - a curtain of water will prevent the fire from spreading.

SPARK DETECTION SYSTEM



**1 SPARK
DETECTOR**



**2 SPRAY
NOZZLE**



**3 CONTROL
PANEL**



4 PUMP



FLAME DETECTOR



GAS DETECTOR

PREVENTION

FLAME DETECTORS AND GAS DETECTORS

We offer a full range of detectors for open path - fire and hydrocarbon detectors and toxic gas detectors. In process of selecting equipment, we take into account the latest features and requirements of many industries.



CORONA
www.corona1.eu

PREVENTION

THERMOGRAPHIC DETECTION

The solutions are ideal for in industries such as oil, gas, chemicals and mining. But they are actually dedicated to work wherever safety, operational savings and compliance with strict environmental standards are key.



OPTICAL
GAS IMAGING CAMERAS



CONTINUOUS
MONITORING CAMERAS



PROTECTION

TRANSFORMER PROTECTOR

The only proven solution to prevent transformer explosions and fire. It is a passive mechanical system, activated by the First Dynamic Pressure Peak generated at the origin of any low impedance fault. Can be fitted on new and existing transformers from 0.1 MVA to 1,000 MVA and above.



THE TP SYSTEM IS INCREASINGLY
BEING USED TO SECURE
TRANSFORMER STATIONS
AT SEA.

PUMPS AND POLYMERS

GEAR PUMPS

Used for a variety of applications in the process, engineering or chemical industries. They belong to the group of externally geared positive displacement pumps. They can pump media with different viscosities and densities, even extremely low or high viscosities.



CHEMICAL PUMPS

Used in the chemical industry, food industry and during plastics processing.



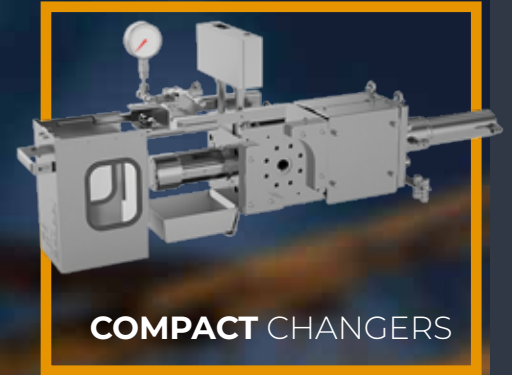
ACID-RESISTANT PUMPS

Durable and reliable solution
Over a wide temperature range.

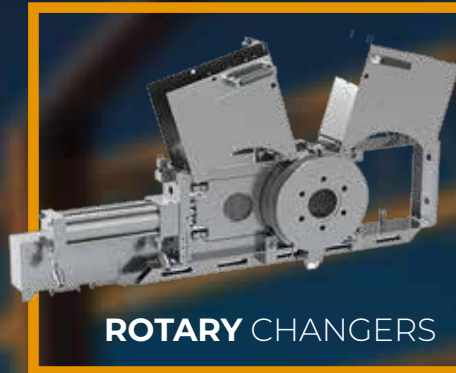


INDUSTRIAL PUMPS

Characterized by pulseless and accurate flow, they work well in applications requiring precise dispensing.



COMPACT CHANGERS



ROTARY CHANGERS



MANUAL CHANGERS

PUMPS AND POLYMERS

SIEVE CHANGERS

Screen changers with the best impurity filtration in plastic extrusion, increase the quality of the product

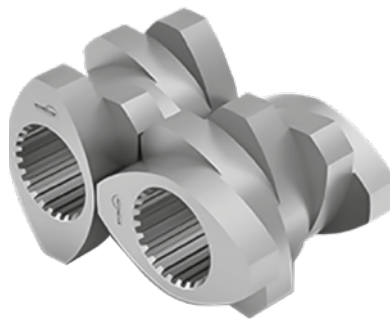
EXTRUDERS

Extruder is a device that allows the processing of a wide range of synthetic materials and other materials used in production.



EXTRUDERS FOR PLASTICS

A device that enables the processing of synthetic materials and other materials used in manufacturing.



SPARE PARTS

Spare parts are available for many systems and extrusion lines.

GRANULATION

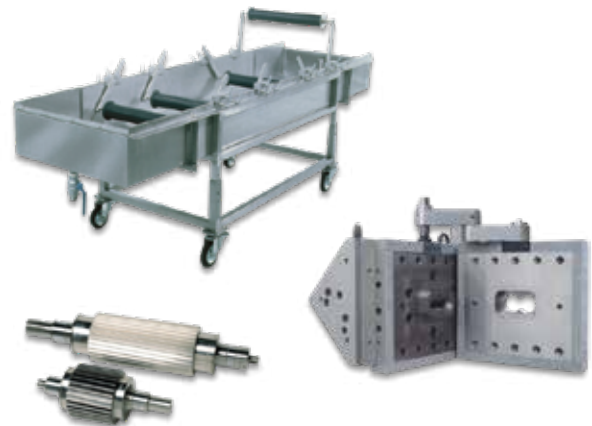
GRANULATORS AND GRANULATION LINE COMPONENTS

Granulators produce plastics in granular form, which are widely used in many plastics processing operations.



GRANULATORS

They produce plastics in granular form, which are widely used in many plastics processing operations.



GRANULATION LINE COMPONENTS

Cooling tubs, air knives, heads, infeed rollers, cutting rotors and others.

PULVERIZERS

Pulverizers are a series of specialized devices that make possible the process of shredding plastics used later in various types of processing.



REX TECH
PULVERIZER

The plastic pulverizer for lab applications. Depending on the selected equipment, the REX tech can be cooled with ambient air or nitrogen.



85 XLP
PULVERIZER

The pulverizing system 85XLP, with its compact design, is the perfect fit for the medium throughput range or the ideal solution for in-house production.

PLASTIC ADDITIVES

MASTERBATCHES



BLACK, WHITE, COLORED AND SPECIALTY MASTERBATCHES

Masterbatch is otherwise known as a pre-mix. It is an additive to the plastic in concentrated solid form as polymer granules.



SPINNERETS

SPINNERETS

PLATES USED TO FORM FIBERS

The solution is inspired by examples of natural fiber spinning that can be observed in nature.

ELECTROSTATIC PROTECTION

GROUNDING CONTROL SYSTEMS

Electrostatic grounding is a basic and mandatory means of protection against static electricity in hazardous areas. Grounding Control Devices ensure static electricity is discharged to the ground by a grounding cable and continuously monitor the grounding quality. If there is an interruption of the grounding connection, the filling process will be interrupted immediately.



EKX-4 GROUNDING CONTROL SYSTEMS

Monitored grounding during loading and unloading of inflammable liquids or solids in tank trucks, silo trucks, and railway wagons.



EKX-4 2-POLE GROUNDING CONTROL SYSTEMS

Monitored grounding during loading and unloading of containers, drums, IBC's and similar vessels. For loading of bulk materials and flammable liquids



SMART BITE LED MOBILE GROUNDING CONTROL SYSTEMS

Battery operated solution for monitoring electrostatic grounding. Large LED light confirming grounding status, red/green signalling and battery status indicator.

GROUNDING ACCESORIES

CLAMPS



GROUNDING CLAMPS FOR VARIETY OF USE

The certified earthing terminals (ATEX) are made of stainless steel and have sharp teeth that enable reliable discharge of static electricity even when there is heavy dirt (deposits) on earthed components.

GROUNDING ACCESORIES

CABLES

COILED AND STRAIGHT FOR DIFFERENT USE

Earthing cables are available as a single or double conductor option with different lengths selected to suit individual needs.



ELECTROTECHNICS

ELECTROTECHNICS



ATEX CABLE GLANDS

Contain special materials that prevent the spread of sparks and electric arcs, which could cause an explosion. Are mainly used in the chemical, refining and oil industries, as well as in other places where there is a risk of explosion due to the presence of flammable gases, liquids or dust.



JUNCTION BOXES

We offer GOTHE & CO products that are ideal for the construction of flexible power lines, which are exported worldwide and used in the shipbuilding, marine, petrochemical industries, as well as in mining, power plants, for powering construction sites, for the construction of water supply systems and water treatment plants.

ELECTROTECHNICS

ELECTROTECHNICS



CABLE GLANDS

They are components of electrical installations in hazardous areas and play an important role in ensuring the safety and reliability of the installation.



CONTROL PANELS

Constructed from one or more connected enclosures with 'e' reinforced or 'i' intrinsically safe protection. For Ex zones 1/21 and 2/22.



JUNCTION BOXES EX E / EX I

They are used to connect and branch cables and wires with certified connection terminals.

MOBILE DEVICES FOR EX ZONES

Reliable and safe devices for communication in hazardous areas. Phones, smartphones, smartwatches, tablets, barcode readers, cameras and much more. Technology that will enhance employee safety and improve work organisation.

www.ex-mobile.tech



1/21 ZONE

phones, tablets, smartphones
smartwatches, code readers



2/22 ZONE

phones, tablets,
smartphones,code readers



MINING ZONE

smartphones, tablets, code
readers



INDUSTRY ZONE

phones, tablets, smartphones,
code

TECHNICAL DOCUMENTATION

www.dust-test.eu



EXPLOSION

SAFETY

- ▶ Explosion risk assessment
- ▶ Explosion Protection Document
- ▶ ATEX audit
- ▶ ATEX trainings
- ▶ Explosion hazard zone
- ▶ Dust test
- ▶ FEM analysis
- ▶ Safety systems design

PROCESS

SAFETY

- ▶ HAZOP analysis
- ▶ LOPA analysis
- ▶ HAZID analysis
- ▶ SIL analysis
- ▶ HAZOP trainings



IT IS YOUR CHOICE

EFFECTIVE PROTECTION AGAINST EXPLOSIONS
AND PRESSURE INCREASES IN INDUSTRY



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CORONA
Innovation. Experience. Knowledge