

ELP elektronik GmbH

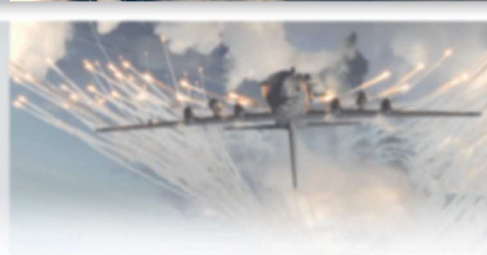
Defence Products

Detonating and Ignition Devices

Pyrotechnics and Gas Generators

Electronic and EMC Solutions

Laser and Micro Welding





Impulse cartridge DM1578 for 2 x 1 x 8" countermeasure systems

The electrical initiated impulse cartridge is used for the ejection of countermeasures installed on aircraft countermeasure systems to defence IR / RF missiles, are compatible with the current NATO-Platforms and can be adjusted to customer requirements.





30 YEARS OF KNOW HOW

With more than 30 years of know-how in the fields of security and defence technology's the PL Elektronik GmbH has established itself as a leader in its market. Our main activities include the customized product development and serial production of gas generators, electronic primers, pyrotechnical systems and safety components for military and civil applications. Hereby, we can incorporate the latest production methods from the fields of electronic, laser and pulse welding technology as well as high precision mechanics into our products.

Due to our clearly defined corporate structure we are able to quickly realize new developments and also react to customer specific requirements in a very flexible manner. Thanks to our certificates which allow us to process and store explosives with the Hazard Classification Codes 1.1, 1.3 and 1.4 as well as the production of pyrotechnical components.

Quality and customer satisfaction is an essential part of our corporate business policy. We achieve this goal by a certified Quality Management System according to ISO 9001:2008 and years of experience working according to military standards. Our customers are international high technology companies.





Impulse cartridge DM1630 for 1 x 1 x 8" countermeasure systems

Our electrical initiated impulse cartridges are characterized by highest quality, reliability and constant output in the complete temperature range. The impulse cartridges can be used as alternative for the BBU35 and BBU36 types.





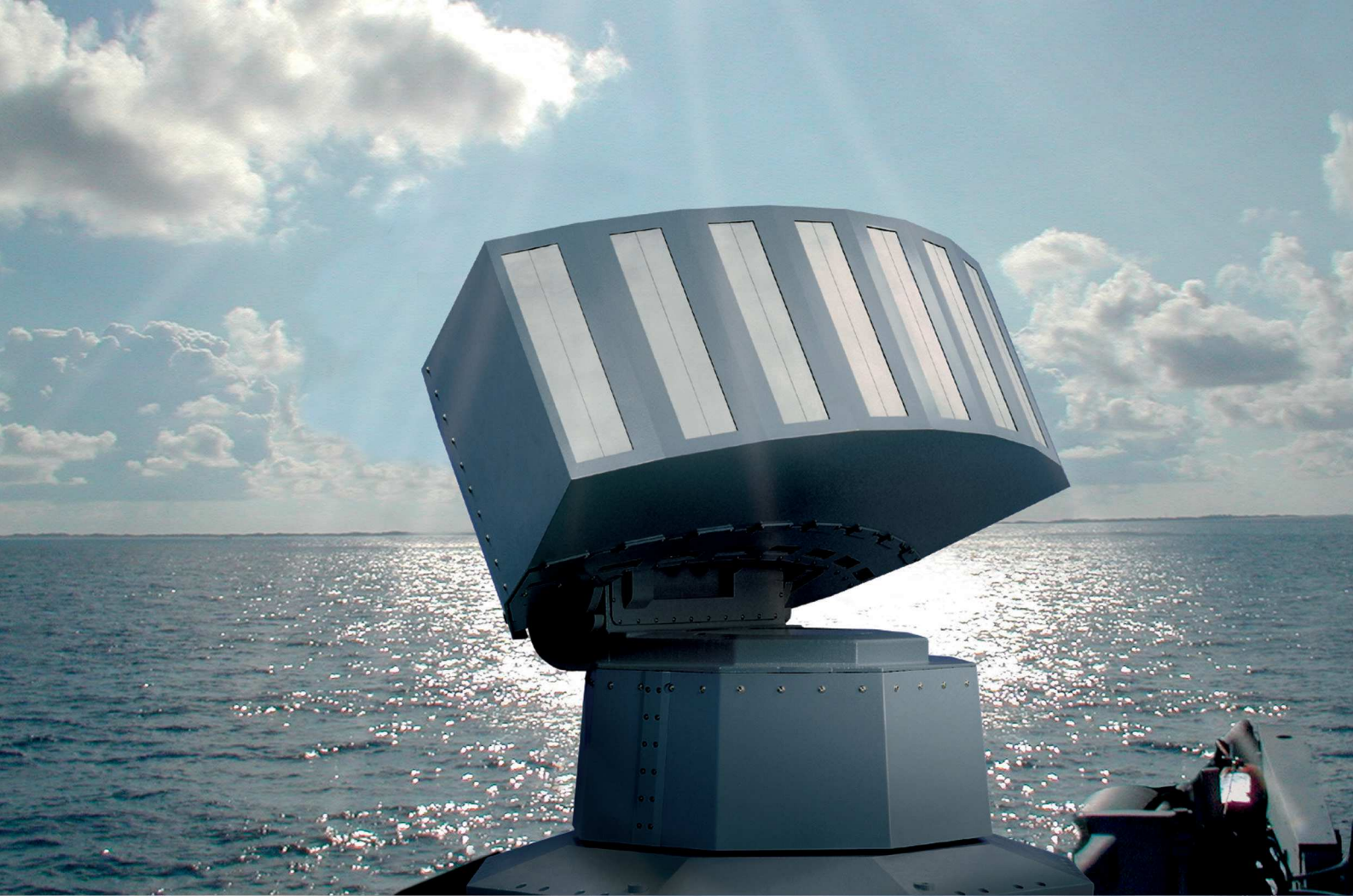
Impulse cartridges for aircraft countermeasure systems

PL Elektronik GmbH offers a wide range of electrical initiated impulse cartridges for ejection of IR decoy flares against IR missiles as well as ejection of chaff against RF missiles installed on military combat jets, transport aircrafts, helicopters, vehicles and naval vessels.

For more than 20 years we develop and produce impulse cartridges according to customer specifications from bridge wire welding to manufacturing of own ignition compositions and fulfill all relevant requirements regarding product safety and environmental compatibility.

The impulse cartridges are compatible with the current NATO-Platforms and can be used as alternative for the BBU35 and BBU36 types.





Rocket engine igniter RD82-RE

The reliable initiation of ignition trains and propulsions is part of our core business. This also includes rocket propulsion system igniter that is used for naval platforms like the Rheinmetall MASS System.





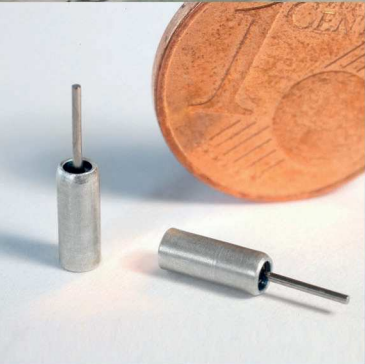
Electric igniters

PL Elektronik GmbH offers the development and series production of electric igniters and ignition devices with single pole and double pole design. Depending on customer requirements we are able to adjust the design, electrical characteristics and output power to fit the respective application.

Our product portfolio includes a wide range of 1A / 1W / 1 Ohm igniters as well as ESD protected igniters.

Applications for our electric igniters are for example: tank ammunition, medium caliber ammunition, rocket engines, missiles and simulators.





Micro detonator 1840-0 lead free

We are specialized in detonating and ignition devices with smallest dimensions. One example is the electric initiated detonator 1840-0 which can be used as an alternative for the M100 detonator.

The characteristics of this detonator are a high explosive output power, extremely short response at low energy supply, smallest dimensions and the use of green primary explosives.

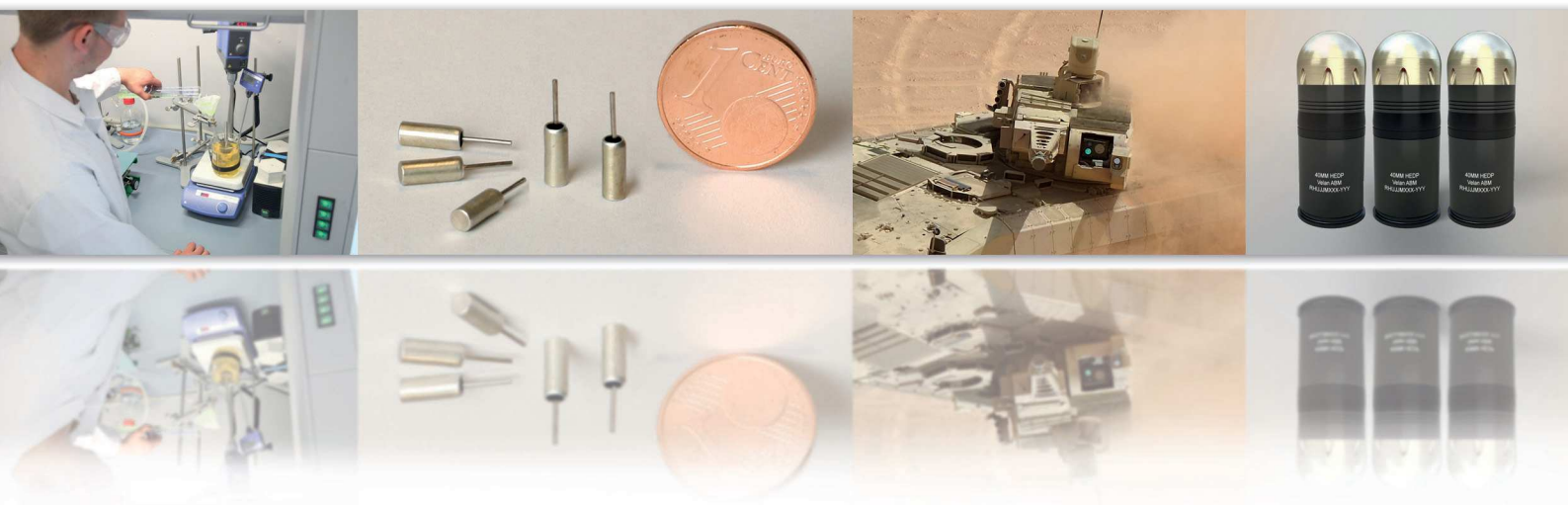




Electric detonators

In 2010 the product segment of detonators was added into the product portfolio of PL Elektronik GmbH. Due to the increasing restrictions in connection with the REACH regulations, the use of the traditional primary explosives like Lead Azide and Lead Styphnate becomes more and more of a problem and the demand of green primary explosives is constantly rising.

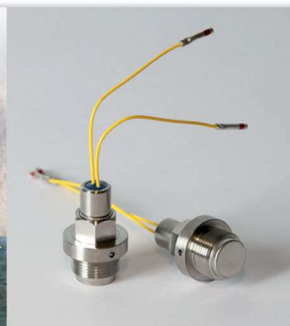
This problem was used as an opportunity to push the development and series production of lead free detonators. For this reason our production facility in Lilienthal was rebuild to enable the in-house production of green primary explosives as well as a series production and the testing of detonators. This makes it possible for us to offer our products from a single source.





Safety devices for ammunition

Even for the securing of ignition circuits PL Elektronik GmbH can offer customized solutions like for example the hermetic sealed pressure switch which acts as normally closed or normally open contact at a defined pressure and work also at highest temperatures like in an combustion chamber.





Pyrotechnic actuators

Over many years we offer successfully pyrotechnic cutting devices for the cutting of steel, nylon or electronic cables. Depending on the application, the cutting devices can be designed to customer requirements and produced in small as also large series.

Beside the cutting devices we also have pin pusher and pin puller in our product portfolio. These devices are extremely light and compact. They produce a linear motion and can be used for locking or unlocking operations.



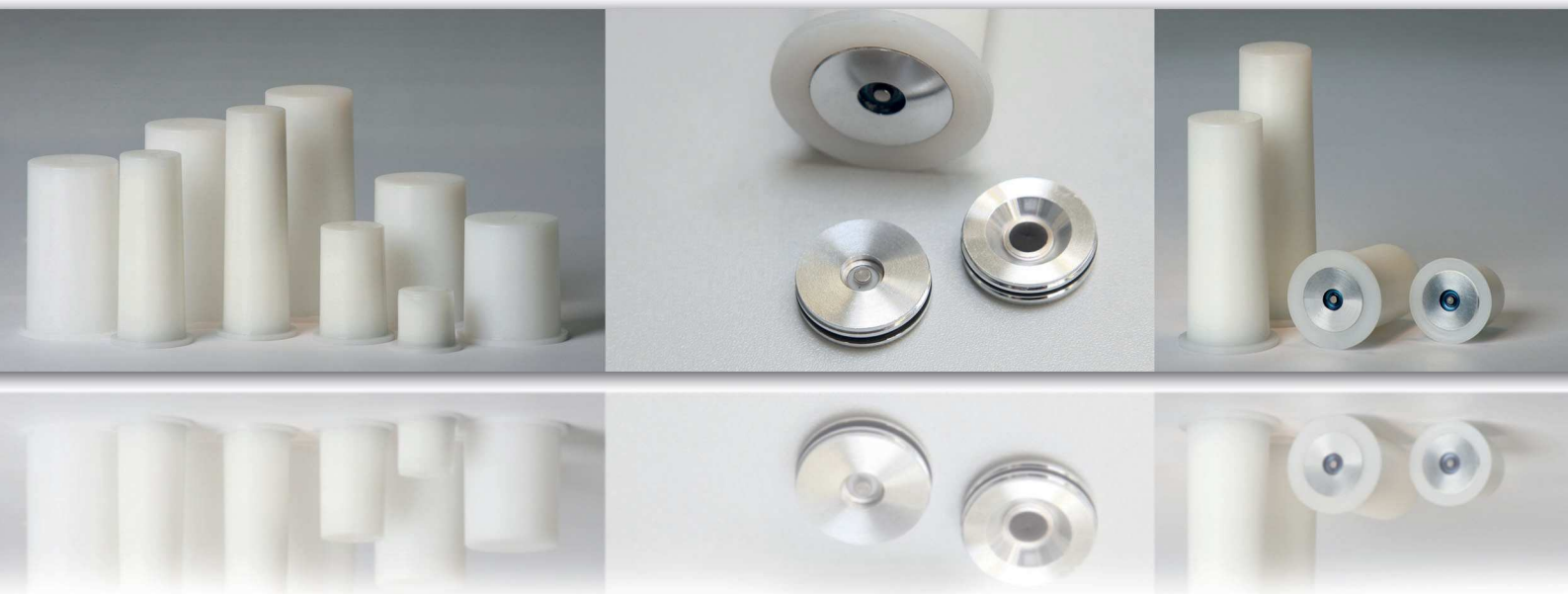




Pyrotechnic gas generators

Beside the electrical igniters and impulse cartridges for the defence business, we also produce pyrotechnic gas generators for civil application like automotive, fire-fighting systems, large scale fireworks and special effects.

One significant application is the smokeless launch of firework shells for which we have developed a wide range of pyrotechnic gas generators for different calibers, with the aim to put an end to the unpopular black powder smoke clouds.

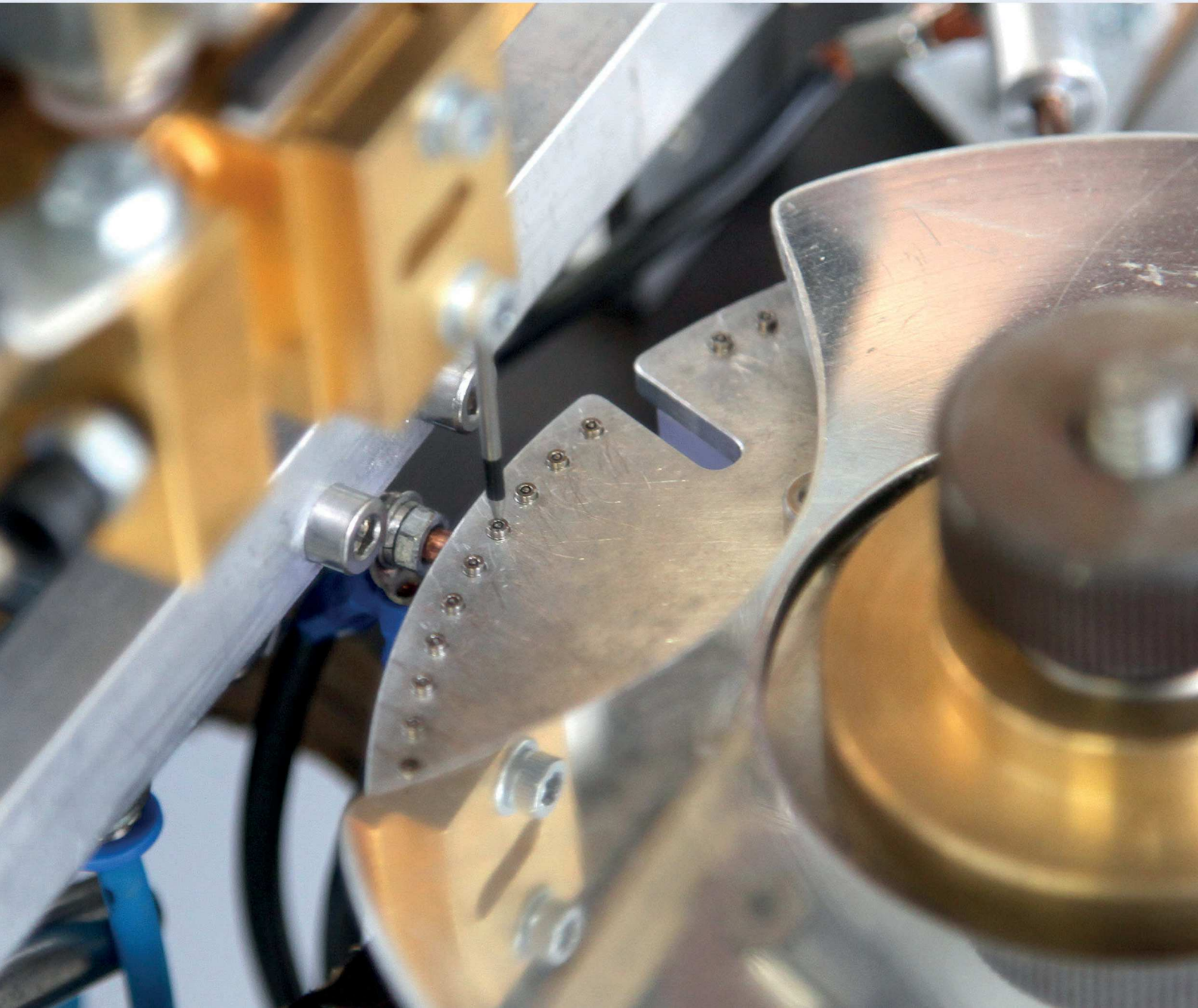




Laser-, Impuls-, Micro- and Bridge wire welding

The laser, impulse and micro welding are an important key for the functionality of our products. Due to our long experience we are able support our customers in this field and can also offer the laser, micro and bridge wire welding as service for external customers. For the processing of your orders a modern TRUMPF Laser-Station is available for example.





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