



Supply, Design and Production of Automation Equipment for Distribution Electric Network, Transfer Network and Power Station.



Knowledge Based **BBT.** دانش بنیان

Power Equipment Eng, Co. (P.J.S)

بهین تجربه شرکت مهندسی تجهیزات برق (سهامی خاص)



Unit 3, No:10, Bahar2 Alley, Shiraz Cross, Mollasadra Ave., Vanak Sq., Tehran - IRAN

Tel: (+98 21) 8861 49 84 - 8 Fax: (+98 21) 880 50 210



Printed by BBT, Project Manager M.R. Tabatabaei Baco.Graphic@gmail.com

BBT GENERAL CATALOGUE 2018

www.BBTpower.com

Optimized by www.ImageOptimizer.net

بهین تجربه شرکت مهندسی تجهیزات برق (سهامی خاص)



دانش بنیان
Knowledge Based



BBT. Power Equipment Eng. Co. (P.J.S)

Supply, Design and Production of Automation Equipment for
Distribution Electric Network, Transfer Network and Power Station.

BBT GENERAL CATALOGUE 2018

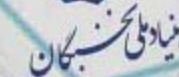
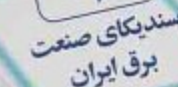


« دانش بنیان - های تک »

- ✓ شرکت دانش بنیان در زمینه تولید و تجاری سازی اختراعات صنعت برق
- ✓ واحد صنعتی برتر کشوری سال ۱۳۹۶ برگزیده سازمان صنایع کوچک
- ✓ دارای گواهینامه های مطابقت با استاندارد از شورای ارزیابی توانیر
- ✓ دارای گواهینامه رتبه بندی از شورای عالی انفورماتیک (در زمینه اتوماسیون)
- ✓ دارای گواهینامه تاییدیه طرح از سازمان پژوهش های علمی و صنعتی ایران
- ✓ دارای گواهینامه رتبه دوم بنیاد ملی نخبگان
- ✓ عضویت در جامعه مخترعین کشور
- ✓ عضویت در سندیکای صنعت برق
- ✓ دارای گواهینامه ISO 9001 (سیستم مدیریت کیفیت)
- ✓ دارای گواهینامه CE (رعایت استانداردهای تولید)
- ✓ دارای گواهینامه ISO 10002 (رعایت حقوق مصرف کننده)



BBT Power Equipment Eng, Co. (P.J.S)



Optimized by www.ImageOptimizer.net

A history of BBT Power Equipment Eng. Company

BBT Company is one of the first knowledge-based companies in Iran power industry that began its activity in 2002 and in addition to be a member of the National Elites Foundation and the High Council of Informatics, also has registered numerous patents in power industry in national and international organizations.

This company uses expert by experience in producing and supplying new required equipment in the network power stations, transmission and distribution of electrical energy, to manufacture specific products and organize multiple projects in automation and loss reduction fields in power industry.

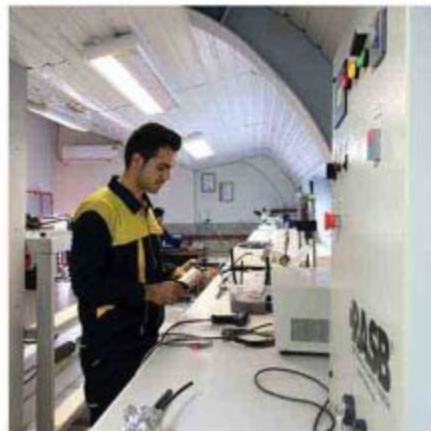
The main target of this engineering group, is offering qualified products from leading European and Canadian companies and transferring new knowledge to local consumers through manufacturing of high quality and hereof in order to achieve its goals, has obtained the required ability to develop high quality products in accordance to international standards in cooperation with research centers and faculty members of local and international universities, technical departments of engineering, designation, production, marketing and sales departments based in the headquarters and factory and also technical support from leading European and Canadian companies. Receiving quality certifications from international organizations, hundreds of award and testimonials from clients in the recent years has been the biggest support for this industrial complex.





Pictorial Tour of BBT Co.





Pictorial Tour of BBT Co,



Pictorial Tour of BBT Co,



Assembling



Auto-assembling



Marking



Drilling



Tensile testing



Polishing



CNC Cutting



Silicon Injecting



FD Assembling

Pictorial Tour of BBT Co.



Laboratory



Salt mist testing



CNC Turning



Injecting



Quality control



Electrical ageing testing



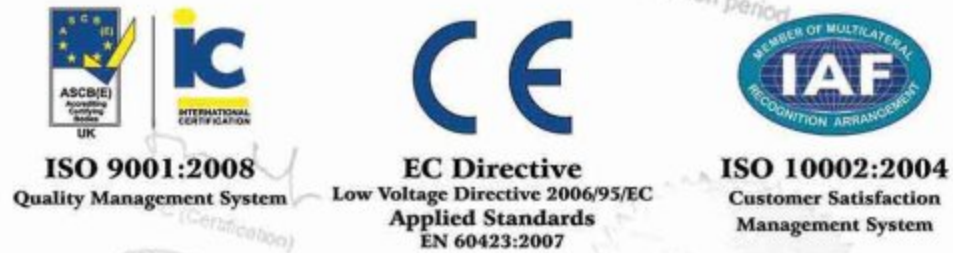
Cutting



Permanent Exhibition

Certificates

Certificates:
As BBT group, we are committed to support our customers by creating high quality products.
With this vision, we got ISO-9001 as an early certified manufacturer in Iran. Our products have been tested and certified to meet international standards performed by third-party laboratories.
We use the best testing facilities in the Middle East to be confirm "no product leaves our plant without meeting our strict standards."

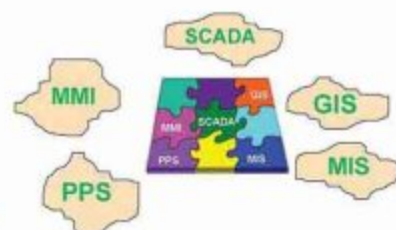




Fault Indicators



Auto Reclosing C.B



Automation Systems



Surge & Lightning Arresters



Isolators & Interphase Spacers



Surge Arrester Tester



Earth Galvanized Steel Cable



LV & MV Accessories



Cast Resin Compact Switchgear



Compact Sub Stations



Motors & Generators



Oil Treatment Plants



Protection & Metering Transformers



Automatic Power Factor Correction



MV Vacuum LBS



LV C.Bs

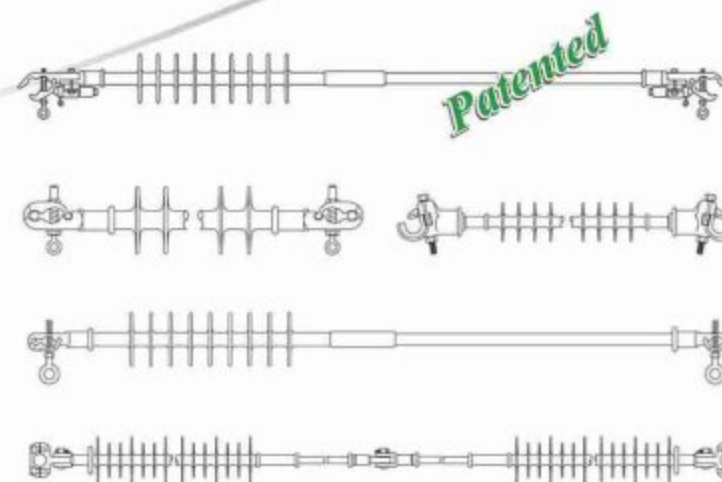


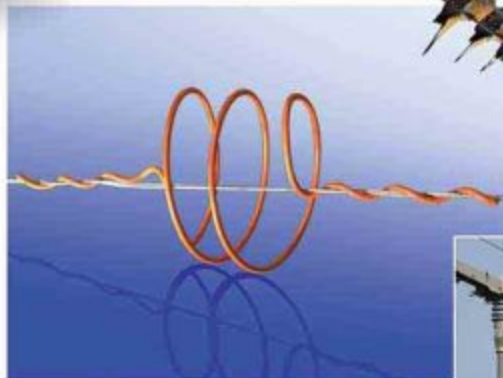
Interphase Spacer

Overhead transmission and distribution lines are susceptible in conductor motion when they are exposed to wind and ice; so they may get network collapsed, caused by short-circuit or flashovers. BBT has developed intelligent solutions in power sector to guarantee satisfaction of clients. Interphase spacers were developed to minimize the probability of fault occurrence by insuring that conductors remain apart during the movements.



Automatic Clamp Feature Remote Control,
patented





Bird Anticollision Devices:

First Aid, Prevention and Signalization
Double Fixing Spiral Of Orange Color PVC To
Signalize The Overhead Lines In Passing Areas
Of Migratory Birds. Resistance UV Rays.



NEW



Earth Galvanized Steel Cable:

Earth cable is constructed from a high quality cross-linked polymer and designed to be easy to install, strip, and terminate. The production of the earth cable is based on international standards. BBT earth cables are manufactured using high quality conductors for ease of stripping and termination while achieving the highest possible electrical and mechanical performance.

NEW



Tin-plate Bimetallic Lug:

The cable lug is used for terminating conductors of cables up to 1kV. The lug is longitudinally water tight. It is suitable for gripping aluminum and copper as well as solid, stranded, sector shaped, and circular conductors.

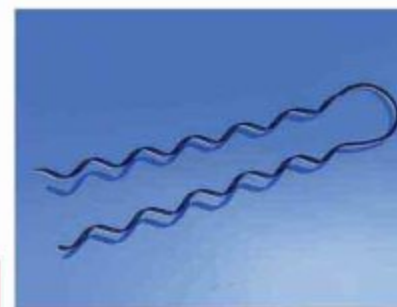
NEW



Automatic Tension Splices:

The automatic joint is easy and quick to install. No tools are needed for the installation. The wedge ensures a safe joint.

NEW



Helical Tie:

This product is used with bare or covered conductors to tie the conductors to the insulators. It can be used as both top and side ties. It is designed to be easily installed without any special tools.



Live Line Clamp:

Live Line Clamp is used as a connector in live line branching and connecting/disconnecting live transformers. Either covered or bared, it can make a joint to conductors, or connecting/disconnecting the transformer live. The connectors is made of corrosion resistant aluminum and the bolts of stainless steel. The connector is watertight by silicone grease teeth. The installation can be made with a live line rod.



Arc Protection:

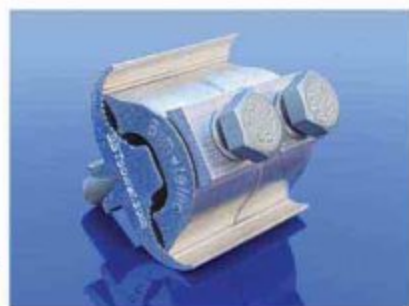
It is used as arc protection with tension insulators on covered conductor lines. is included with a horn which is fixed to the metal parts of the tension insulator so that the distance between the peaks determine the voltage level protection.

PG & bimetallic PG connectors:

Parallel groove connectors provided for non-tension connection of main/branch aluminum and copper conductors. The body is made from tin plated aluminium alloy to avoid anodic-cathodic (galvanic) corrosion. The grooves can be threaded, toothed or none to be used in wide range of conductors. The bolts are hot dip galvanized steel. All the connectors are equipped with stainless steel spring to make the installation easier.

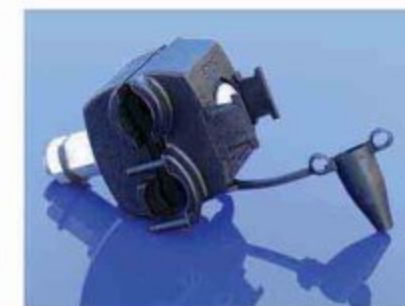
Standard: IEC 61284

SFS 2663



Insulation piercing connector:

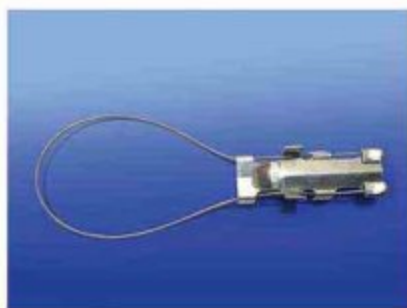
Insulation piercing connector is a universal connector for all combination of main/branch aluminum and copper conductors. In comparison with conventional connectors, the new design with many contact points offers exceptional advantages include less mechanical damage to conductors, better electrical features and etc. It can be equipped with shear head screws to ensure good connection. Some special designs, enable hot line installation. The body is made from UV and corrosion resistant material. The teeth inside the connector are greased to prevent water entry and corrosion of aluminium conductors. Multitap connectors is specially designed for use with piercing connectors to facilitate several out-going conductors. Each branch conductor can be connected through a separate screw. EN 50483-4



Tension clamps:

Tension clamps in various types are used for stretching LV and MV bare or covered conductors with round shape in dead ends. Clamps are easy to install with no need to cut the insulation of cables. MV clamps for insulated conductor are equipped with insulation piercing contact with silicone seal to prevent the moisture getting into the conductor. All the body is made from corrosion and weather resistant materials.

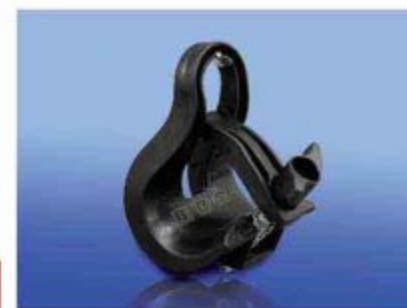
Standard: EN 50483-2, 3
IEC 61284



Suspension clamps:

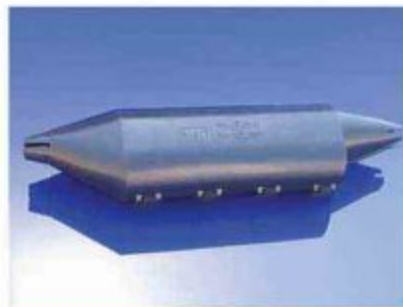
These products are suitable for the suspension of the bare and covered conductor in straight line and at angles up to 90°. The clamp is easy to install without any tools. The aluminium body of the LV clamp is completely coated with plastic, except for the upper U-shaped portion where the clamp is hung on the pole hook. The body is made from corrosion and UV resistant materials.

Standard: EN 50483-2, 3
IEC 61284



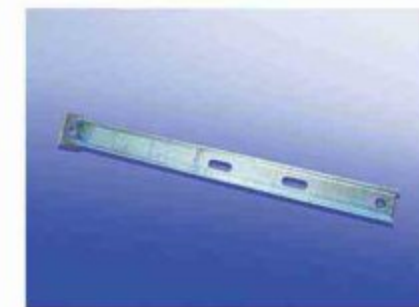
Insulation Covers:

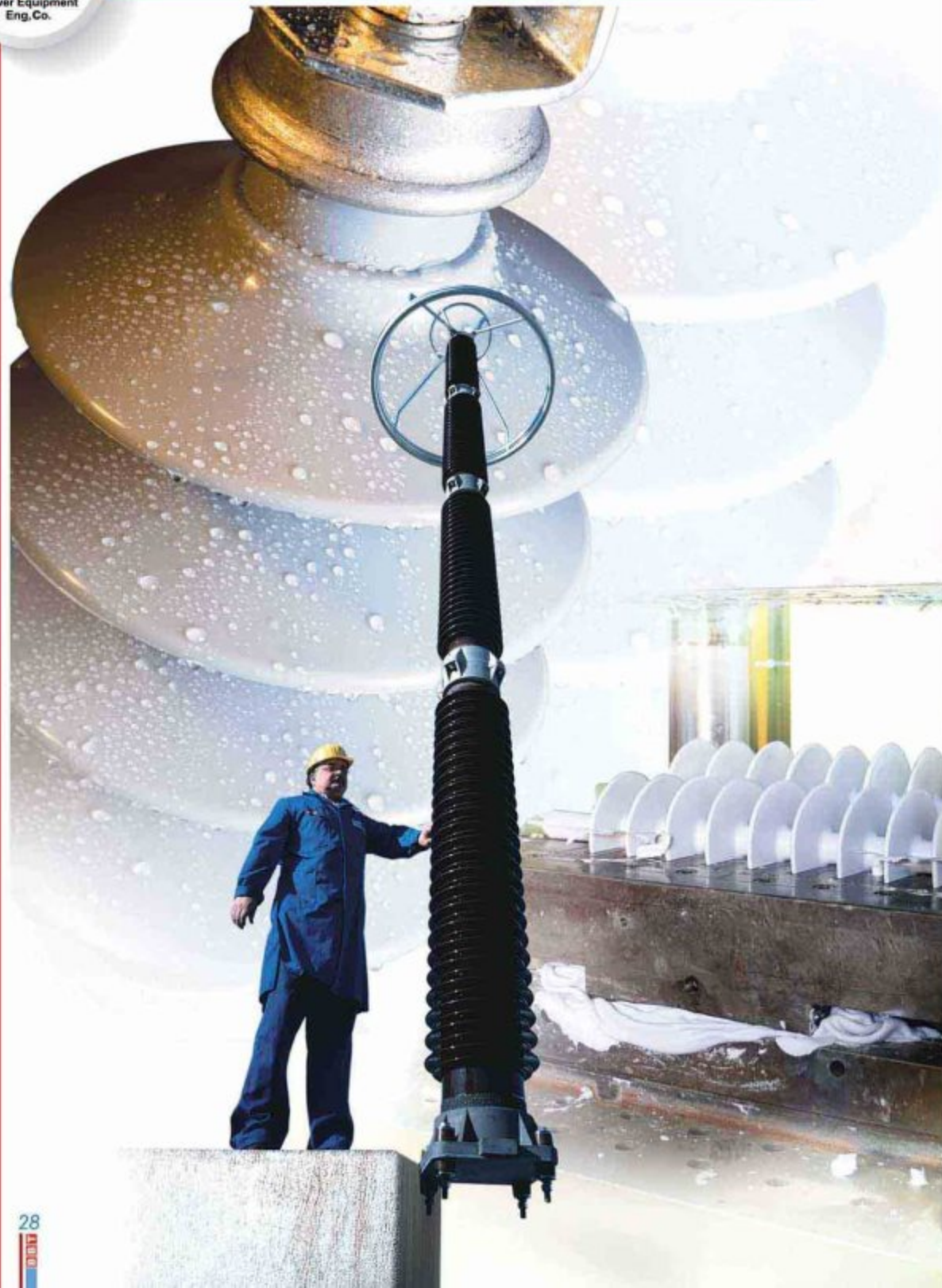
These products are used as a cover for all types of accessories, transformer bushings and cut-out fuses. This product ensures better insulating features and prevents equipment from corrosion. The covers are made of UV-radiation and weather resistant thermoplastic.



Corrosion-resistant steel structures:

The company, using the advanced design and manufacturing unit, depending on the customers' needs, has a variety of steel structures, fittings, parts and bolts needed with stainless coatings such as dacromat, hot galvanized and in accordance with the standards of Manufactured.





Surge Arresters:

Polymer Surge Arrester in Cage Design

Cage Design arresters are available in class 3 and 4 for applications in electrical Systems up to 400kV. Outstanding Price-Performance makes this product interesting for protection of HV equipment under strongest environmental conditions.

Composite polymer arrester in Tube Design

Composite insulators distinguish themselves by an extremely high mechanical strength and the remaining stability after the breakdown of an arrester. 75 % of the mechanical stability are retained. It is for these reasons that this type of arrester is ideal for applications at highest voltage levels as well as in areas prone to earthquakes. This arrester is available for line discharge classes from 3 to 5 up to 500kV.

برقگیرهای اکسید فلزی 3kV تا 800kV





**Find Faults Fast
Reduced outage times**

BBTPOWER

FIND FAULTS FAST

آشکار سازهای خطا مجهز به تجهیزات مخابراتی جهت اتوماسیون شبکه های زمینی و هوایی

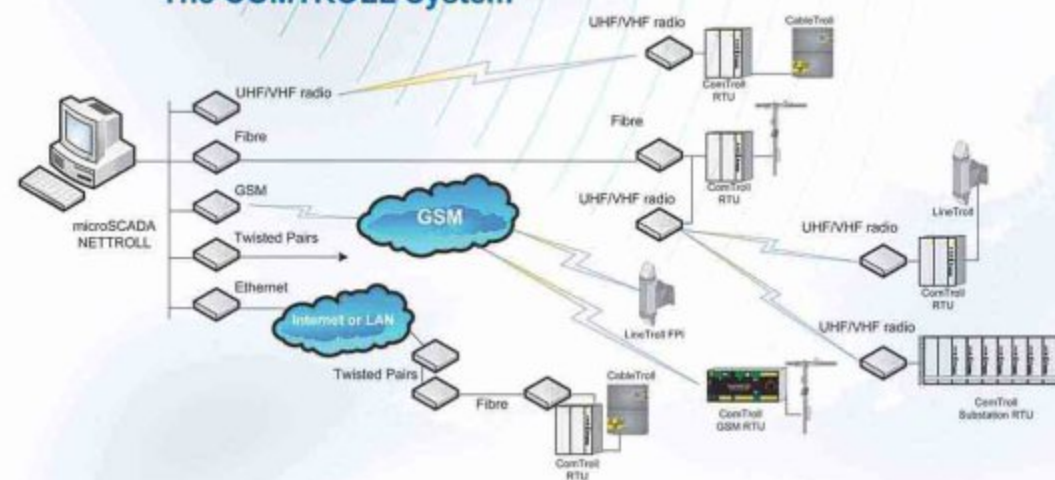


Smart Network Management



- Remote Indicator System with radio and GSM Communication.
- Built-in GPS for positioning and time Synchronization

نرم افزار فوق تخصصی کنترل و مانیتورینگ شبکه های توزیع نیروی برق
The CONTROLL System



Oil Treatment Plants

Degassing, drying and filtration: Repeated purification of insulating oil and treatment of new oil before filling into a transformer, either mineral or synthetic based, will enhance the life cycle time and the efficiency of transformers and related electric power equipment.

OTP is the provider of oil treatment plants for transformers and related electric power equipment as well as for other liquids such as e.g. heat transfer oil.

OTP provides you with leading technology and high service level.

OTP is independent from manufacturers of transformers and related electric power equipment.

OTP is able to respond to your requests and special needs and to find solutions for your problems with the regeneration of heat transfer liquids.

OTP is supporting you in preventive maintenance and servicing your equipment and plants.

OTP has the right for unlimited use of the Micafil oil treatment technology. Micafil Oil Treatment plants have been successfully applied since the last 90 years for safe and fast transformer service over the whole world.

