

SAR MAKINA



**At a first
glance**

A brand



for energy solutions...

**PROUDLY TURKEY BASED COMPANY, AT THE
HEART OF TWO MAJOR CONTINENTS...**



EUROPE AND ASIA



Mission

Our target is to produce such high quality, competitive products and solutions, just in time by using our resources effectively to gain customer satisfaction and loyalty

NEW LOCATION, NEW PERSPECTIVE



Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. 01 100 901991

Certificate Holder: **SAR MAKİNA SANAYİ VE TİCARET A.Ş.**

OSMANGAZİ MAHALLESİ KANUNİ SOKAK NO:12
41700 DARICA/KOCAELİ/TURKEY

Scope:

ENGINEERING, DESIGN AND MANUFACTURING OF SPECIAL MACHINERY AND EQUIPMENTS UPON ORDER AND CONTRACTING; MACHINERY AND EQUIPMENTS FOR NON FERROUS METAL AND CABLE INDUSTRY, STEEL REELS AND DRUMS, WIRE DRAWING MACHINES, MOTOR DRIVEN PAY-OFFS, STATIC PAY-OFFS, FLYERS, MOTOR DRIVEN FLYERS, WIRE SPOOLERS AND REWINDING MACHINE, DRUM BAND TYPE EMULSION FILTER SYSTEMS
AUTOMATIC BOBBIN WINDER, WIRE BUNCHING MACHINE, PAPER INSULATED FLAT AND ROUND COPPER/ALUMINIUM WIRE (FIBERGLASS INSULATED, KRAFT, SATINERT, MICA, MYLER, NOMEX) , FLEXIBLE AND SOLID COPPER/ALUMINIUM BUS BARS

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity:

The certificate is valid from 2017-11-20 until 2020-11-19.
First certification 2001

2017-11-20



TÜRKAK BDS NO
YS-AB51-17EB



TÜV Rheinland
TÜV Rheinland TURKEY
Certification Body

www.tuv.com

TÜVRheinland®
Precisely Right.

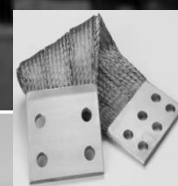
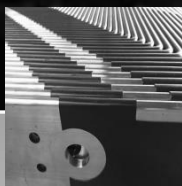
**SARMAKİNA Inc. is certified with ISO 9001:2015 by the TUV-
Management Service GmbH-Germany**

Targets (Then)

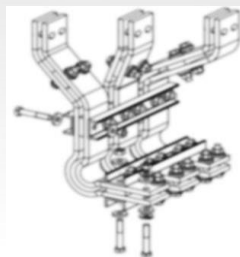
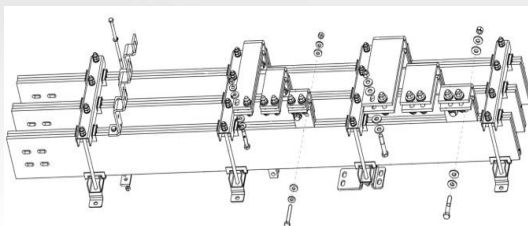
Basic Solid Copper & Wire – **STEP 1**



Tubing applied and Customized Solid Copper – **STEP 2**

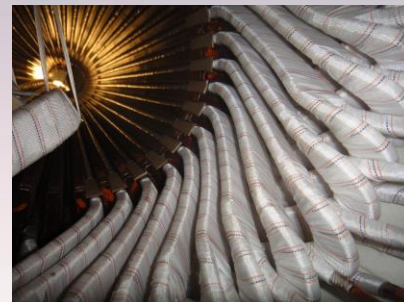
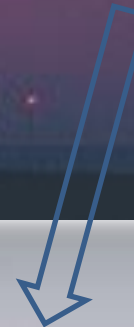
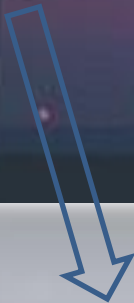


We value creating value – **STEP 3**



Targets (Now)

We are diversifying our future
with new products.



LEAN BASED WORKSHOP



PRODUCTS FOR TRANSFORMER & SWITCHGEAR

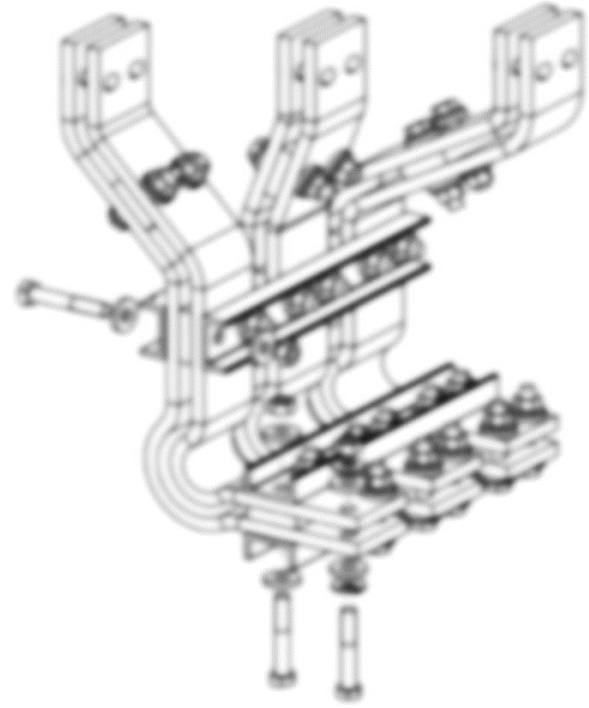
SOLID COPPER BUSBAR

SARMAKİNA offers complete solid **copper**/aluminium busbar for

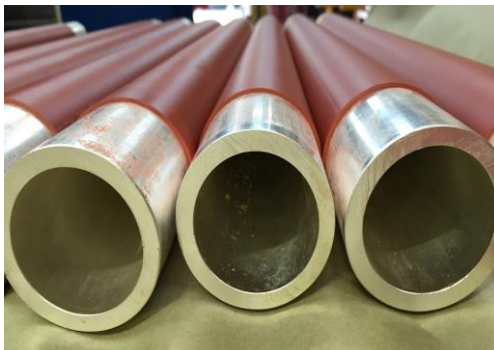
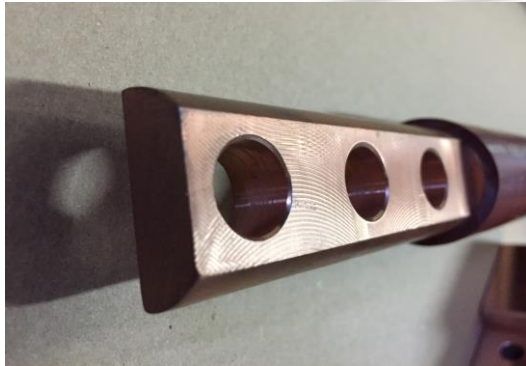
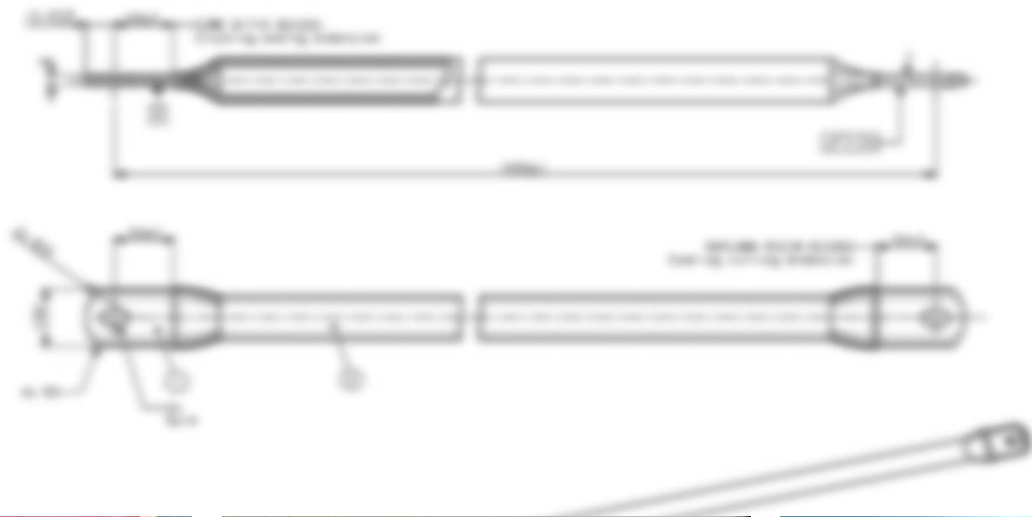
- Transformer
- Switchgear, switchboard
- Wind turbine manufacturer
- Solar Panel manufacturer

FLEXIBLE & BRAIDED COPPER BUSBAR

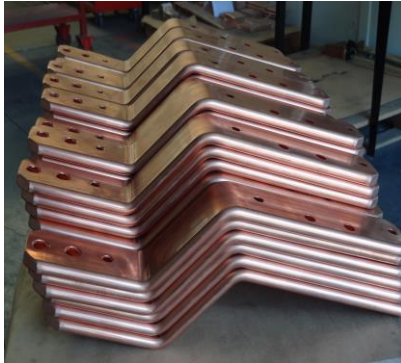
Flexible **copper** busbars consist of (0,10-1,00)mm thickness of laminated electrolytic Cu strips. **Copper** strips are welded by press welding or soldering process.

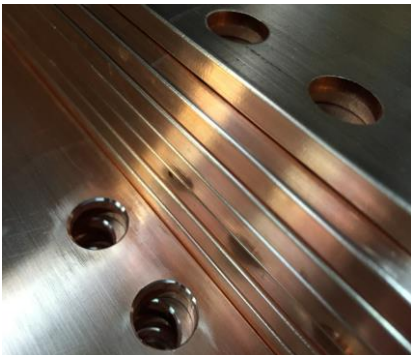
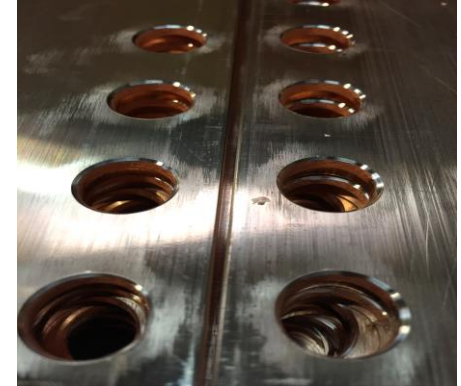
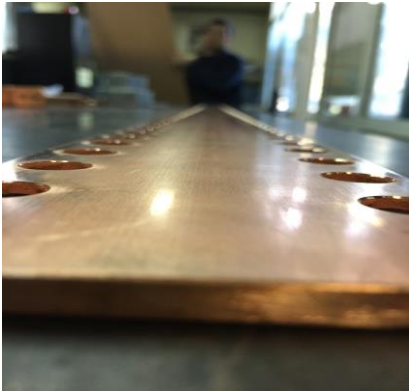
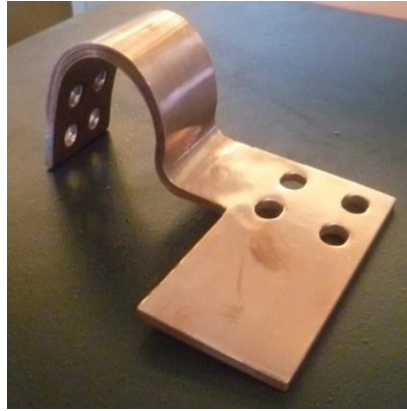
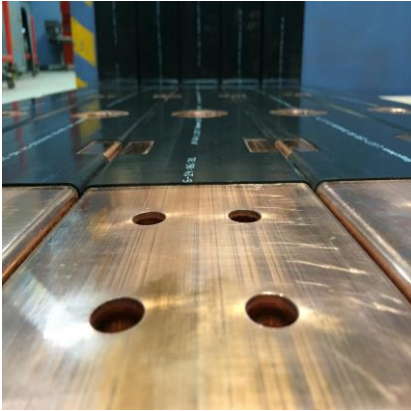


COPPER ROD & TUBES



ASPECT OF REGULAR PARTS

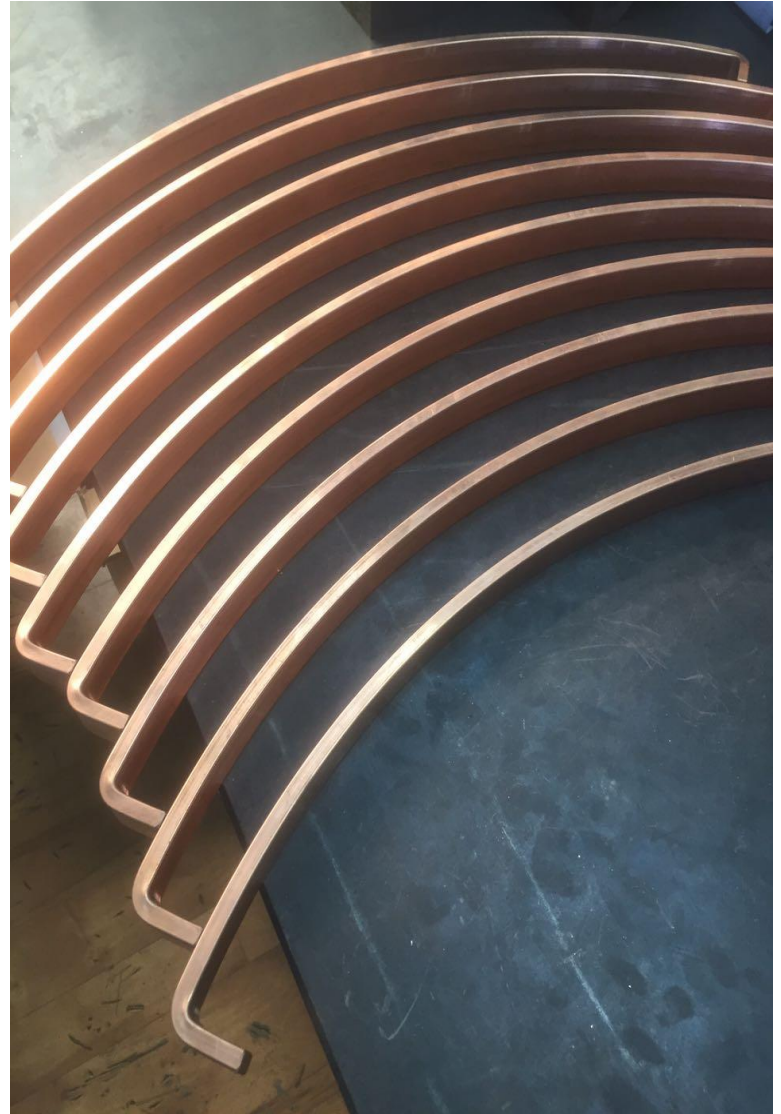
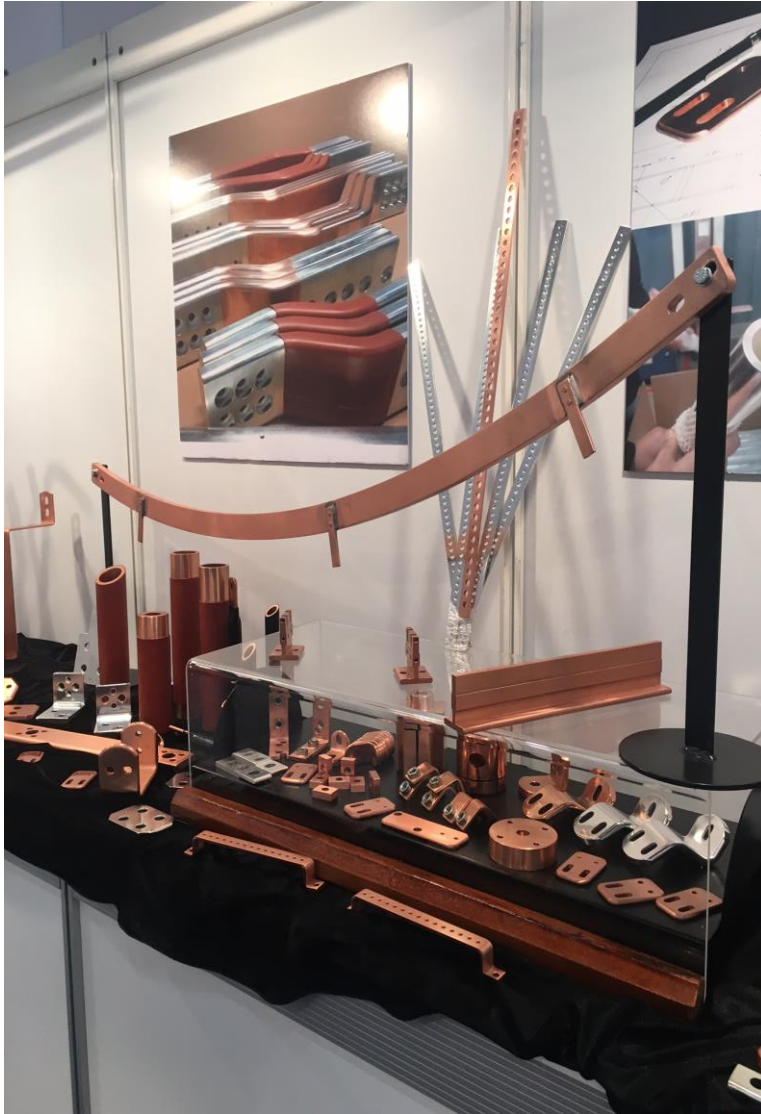




INVESTMENT FOR ARC SHAPE BENDING MACHINE

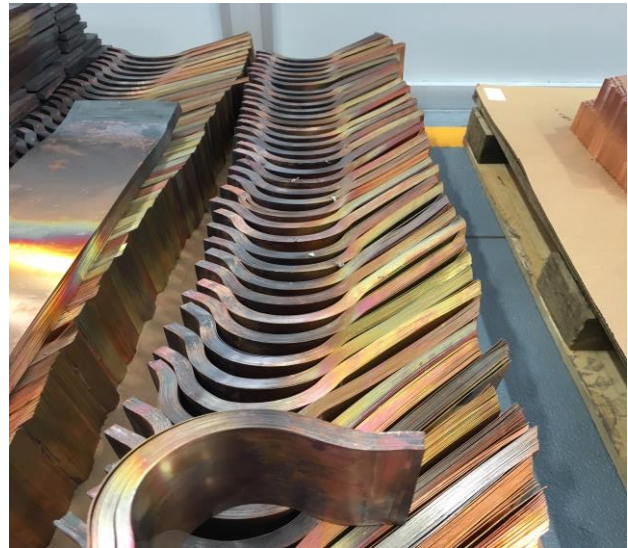


USED IN WIND TURBINE GENERATOR

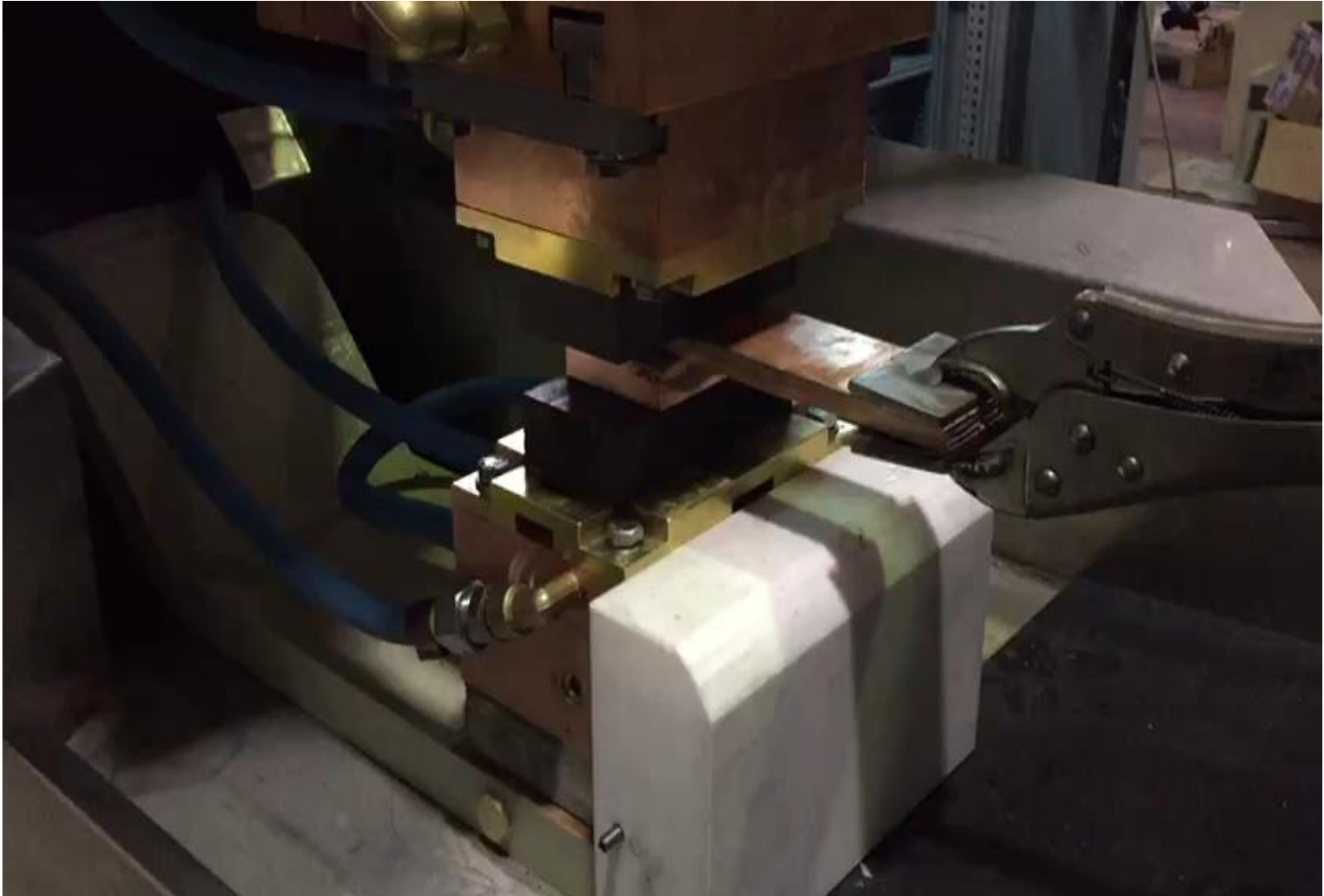


NEW INVESTMENT FOR PRESS WELDING MACHINE

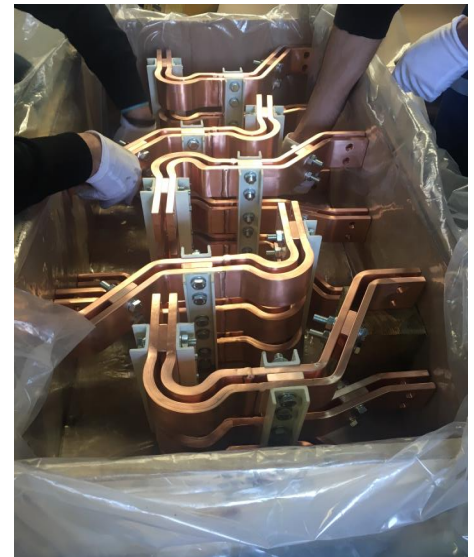
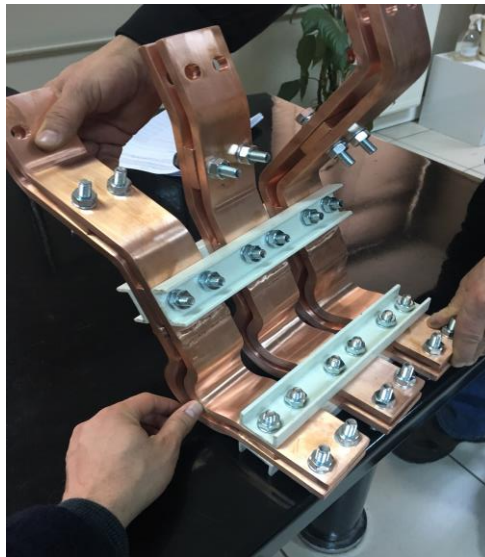
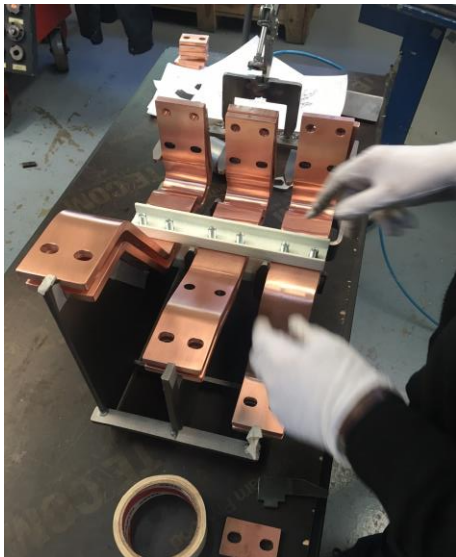
We purpose respected quality at every stage of production.



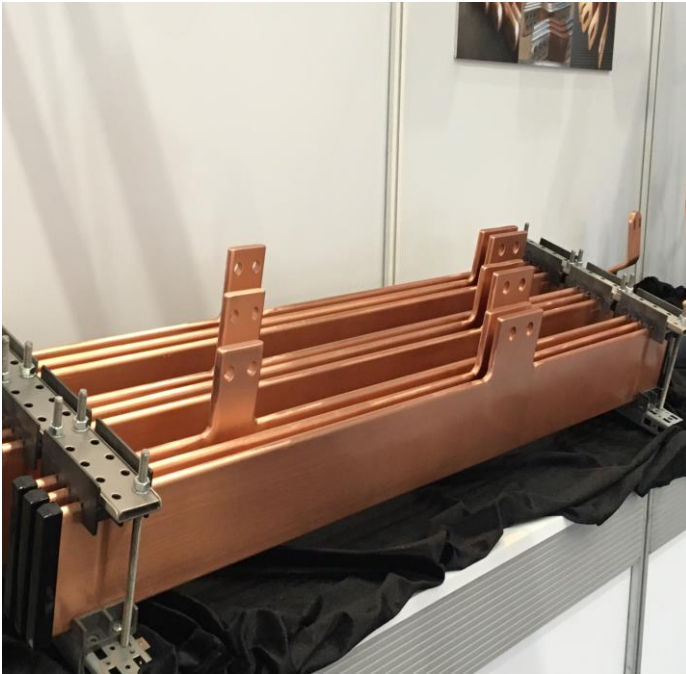
THAT MACHINE ALSO WILL WORK FOR PRESS WELDING OF TWO PART WITHOUT USING FILLER ROD



ASSEMBLED KIT FOR WIND TURBINE

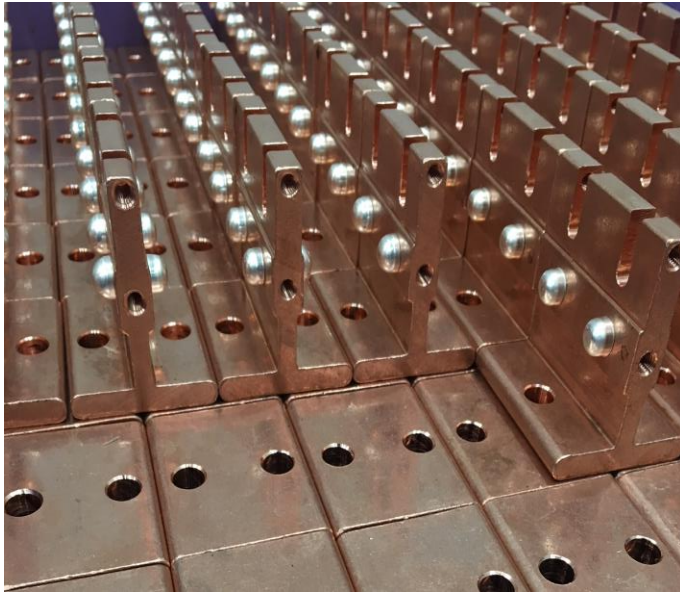


ASSEMBLED KITS

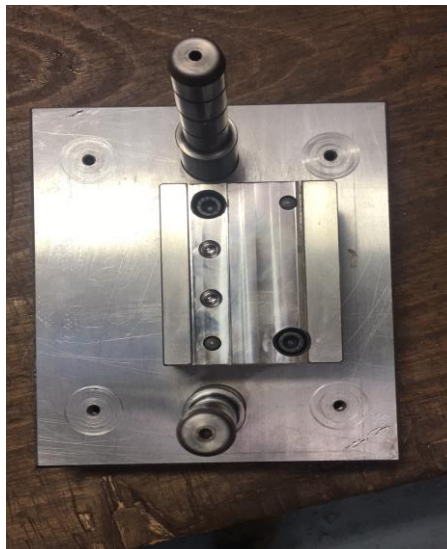
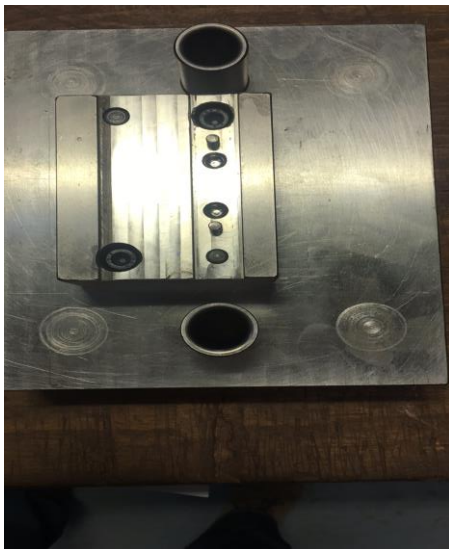


CUSTOMER REQUEST BASED PRODUCTS

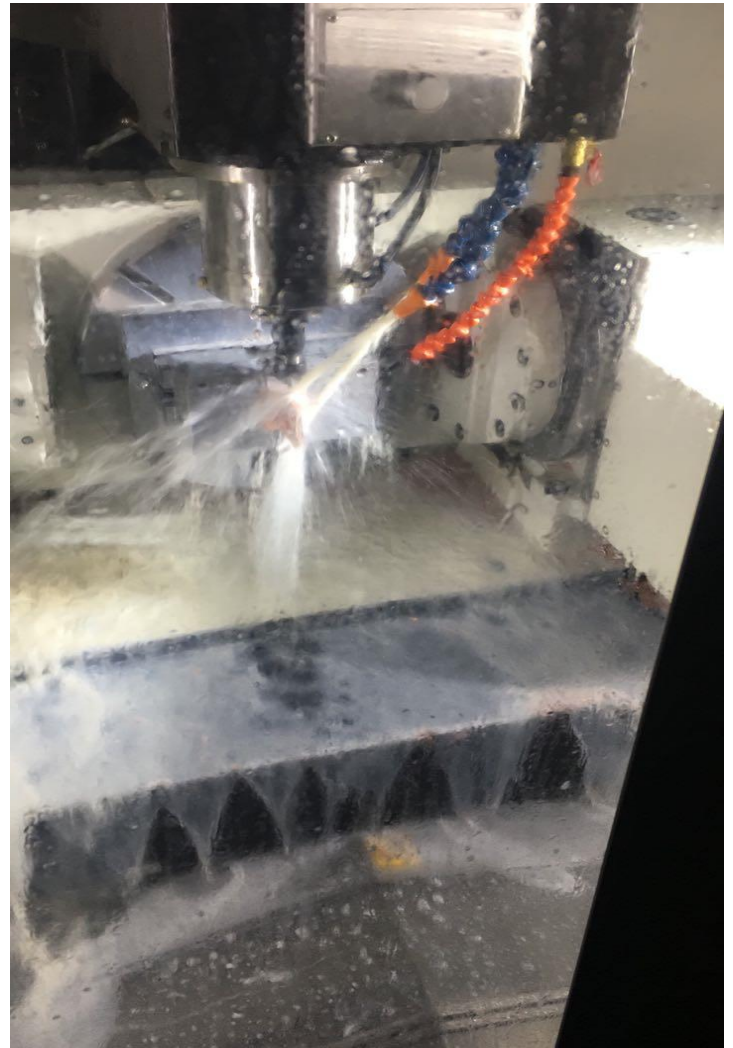
MACHINING AND RIVETING PROCESS ON T SHAPE TECH. PROFILE



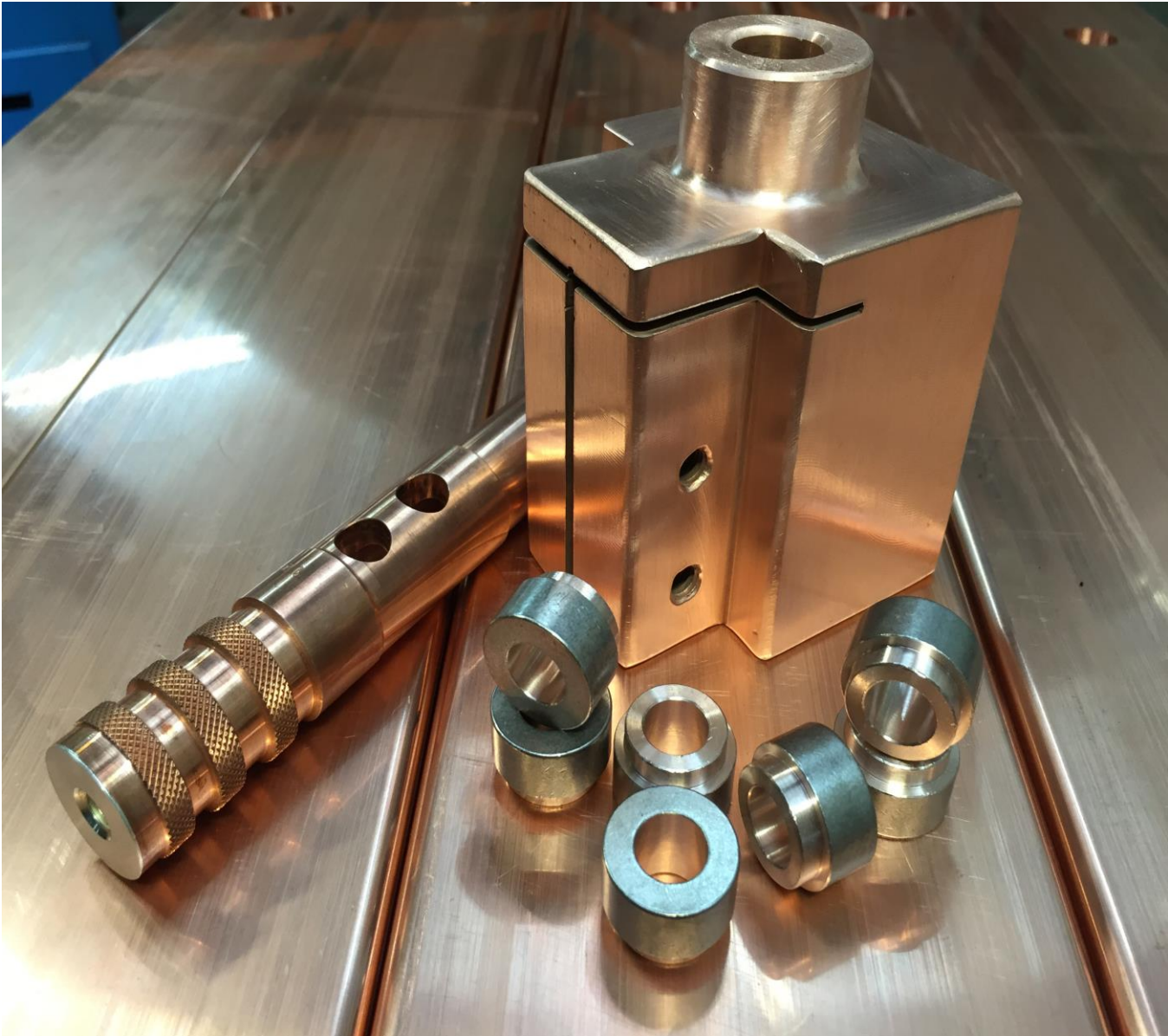
We carry out machining process by means of our new investment 5 axis machining center, thus We no longer need fixing parts on board more than one time...



OUR NEW 5-AXIS MACHINING CENTER INVESTMENT



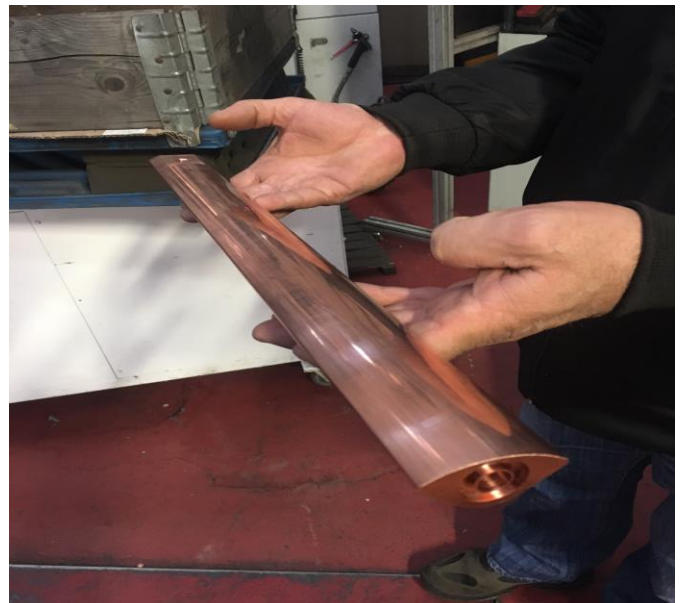
CUSTOMIZED & BESPOKE SOLUTIONS

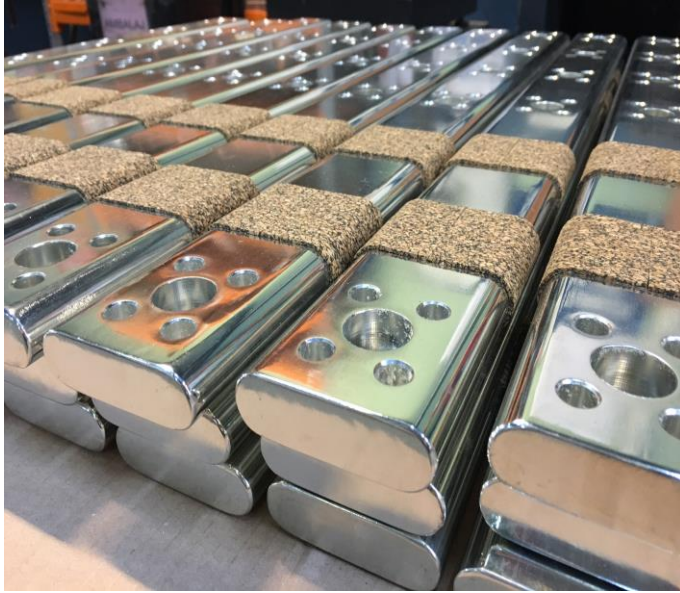


WE FULFILL CUSTOMER'S TECHNICAL PROFILE EXPECTATIONS



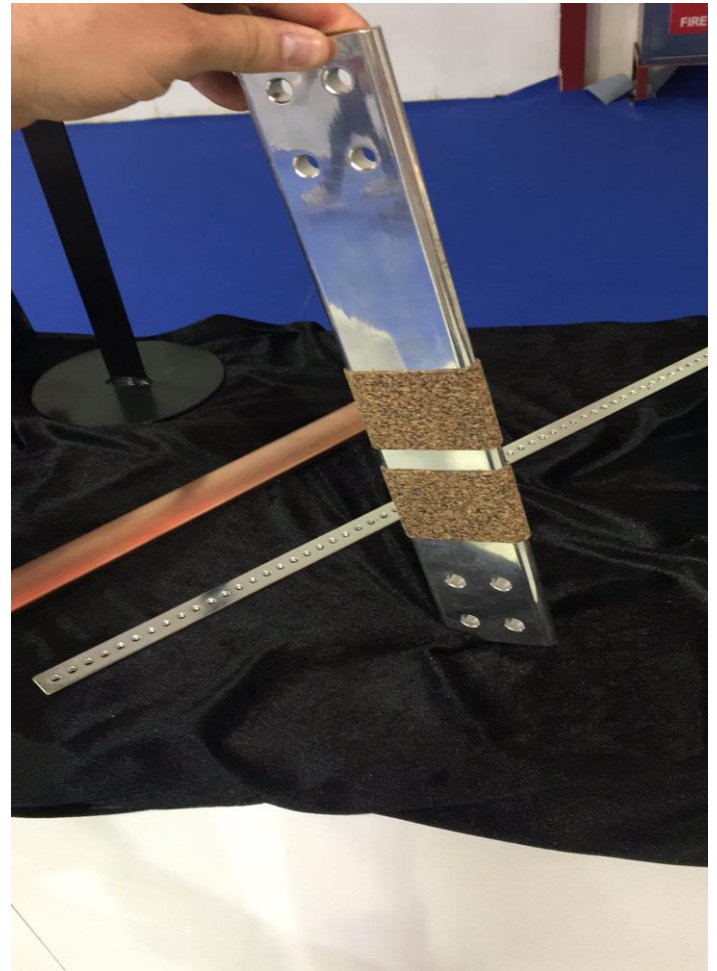
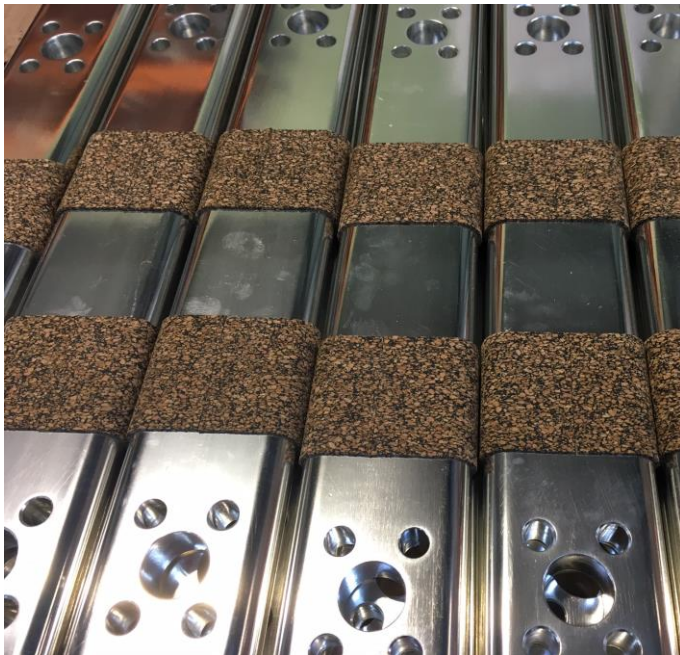
SILVER PLATED ROTOR CONNECTION FOR WIND TURBINE PRODUCER



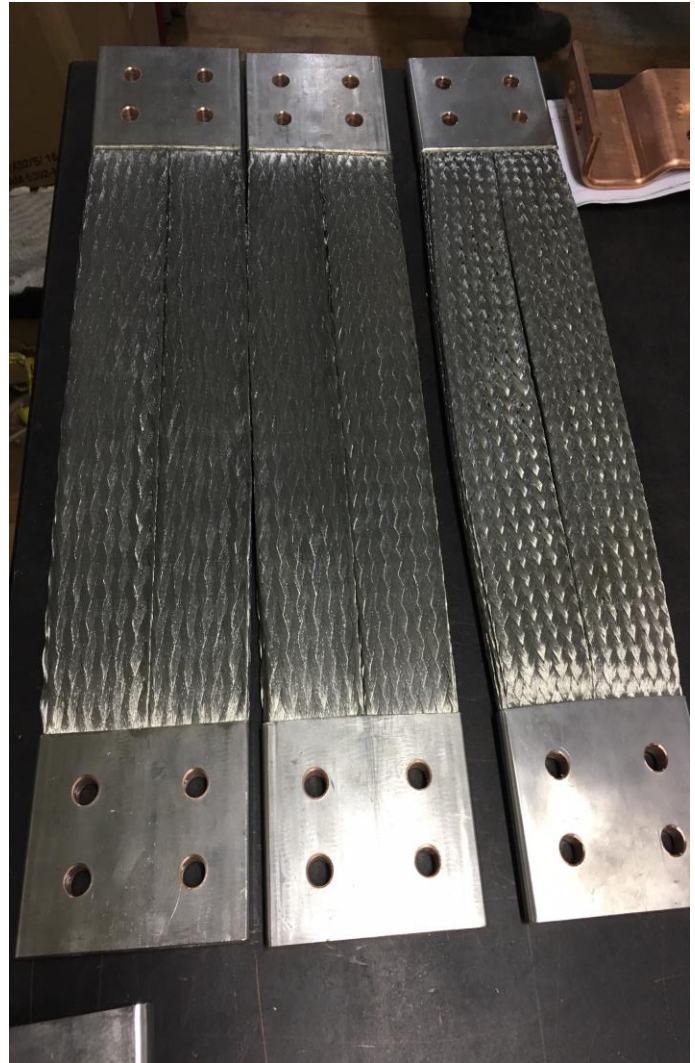
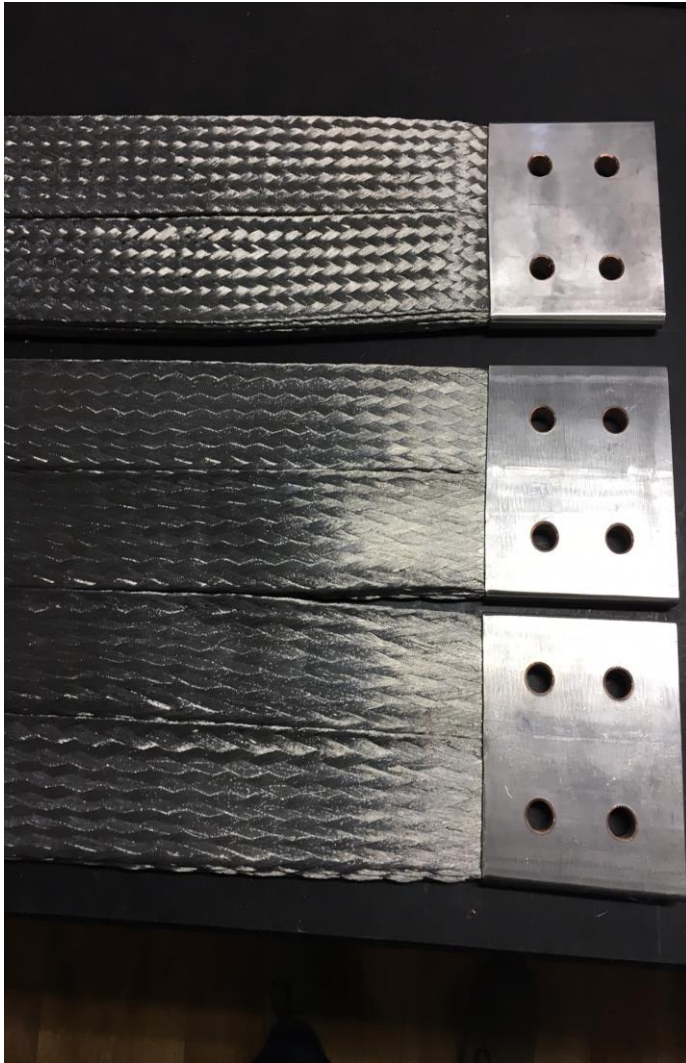


NITRILE CORK APPLICATION ON TIN PLATED COPPER BAR

Nitrile cork is basically used where you need withstand to bolt pressure and avoid leaking



AS OF SECOND PART OF 2016 , BRAIDED TYPE BUSBAR AVAILABLE IN OUR PRODUCTION RANGE



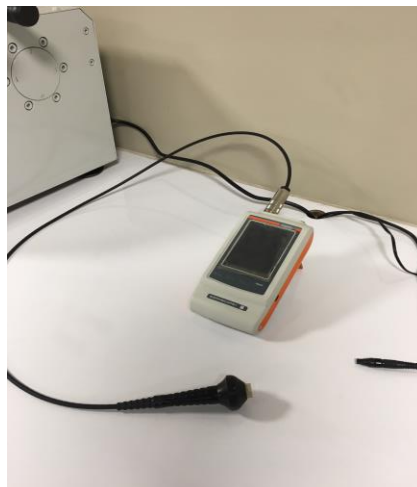
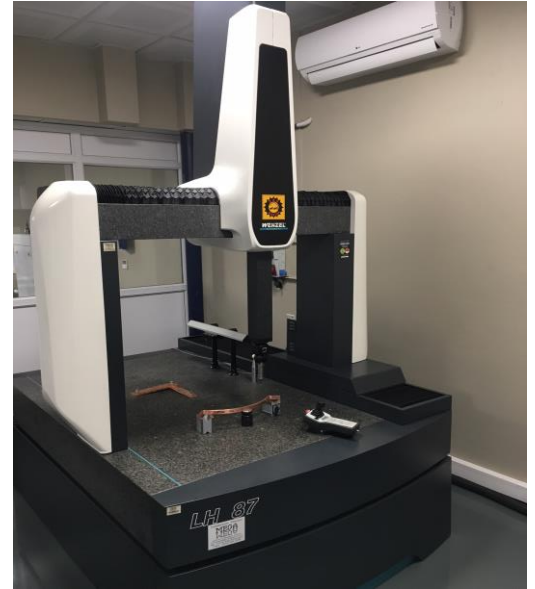
LOW VOLTAGE TUBING APPLICATION



QUALITY PERSPECTIVE

QUALITY CONTROL

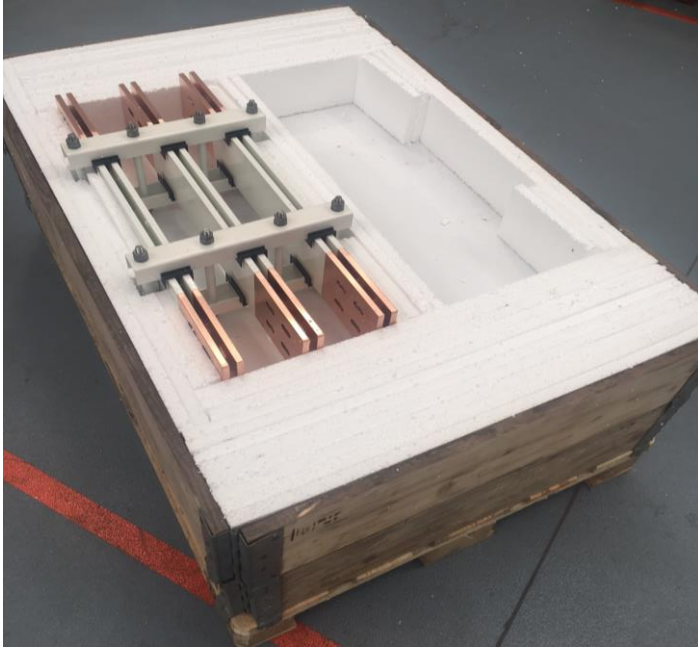
The products are being controlled in every stage of production process. Our aim is to ensure Customer Satisfaction in terms of quality.



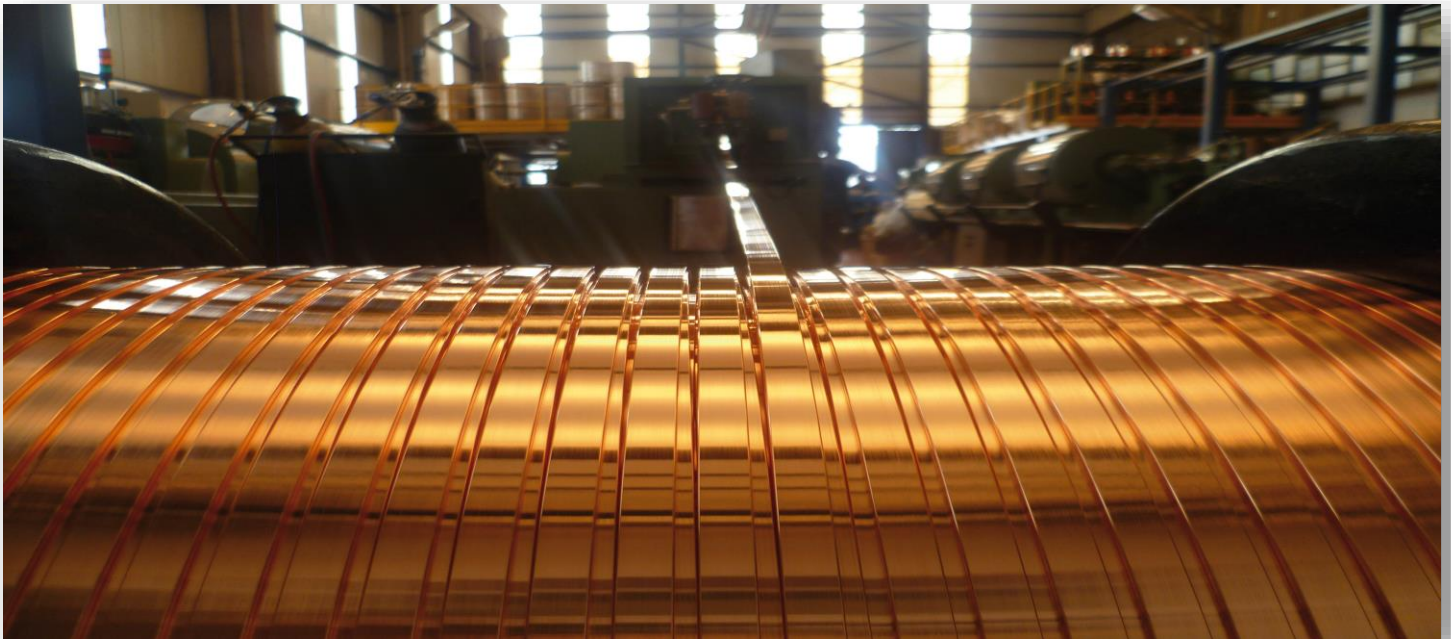
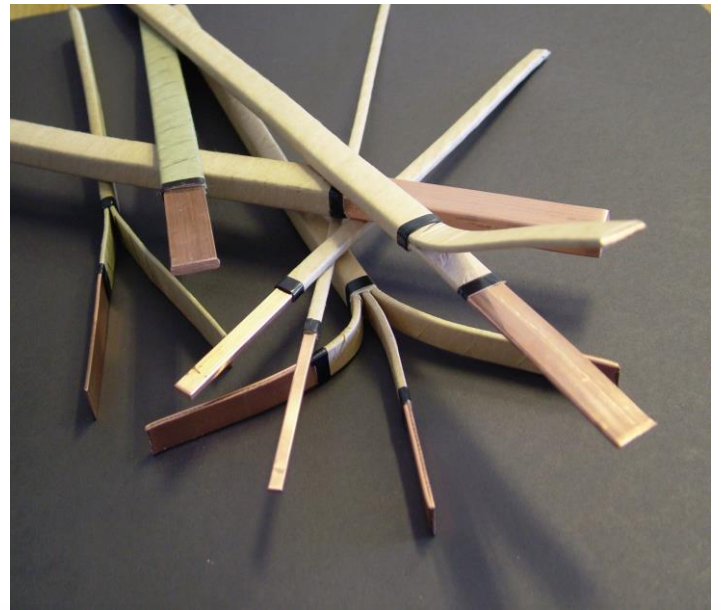
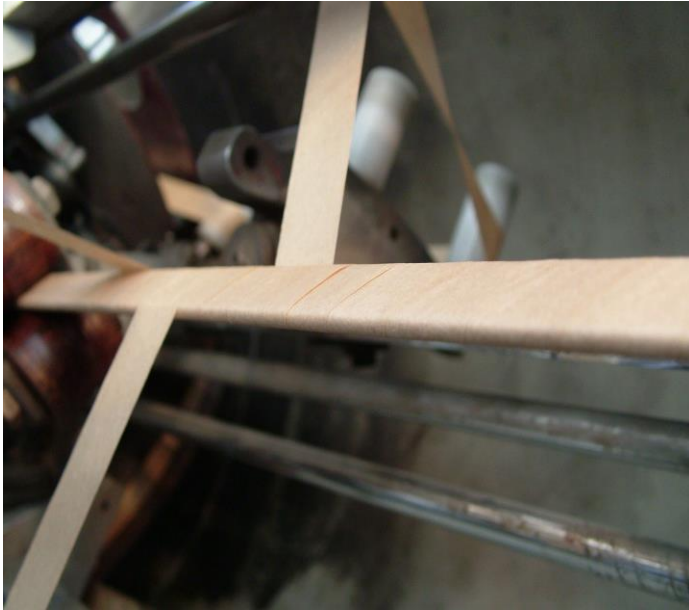


WE OFFER RICH DOCUMENTATION TO ENSURE THAT WE MANAGE OUR QUALITY WELL

- PPAP FILES
 - PROMPT 8D REPORTING RESPONSE
- FOLLOWING DPM1, DPM2 AND ESSR TARGETS
 - CPK CALCULATION FOR MACHINERY
 - 5S
 - LEAN PRODUCTION
 - ETC...
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PAPER INSULATED COPPER WIRE



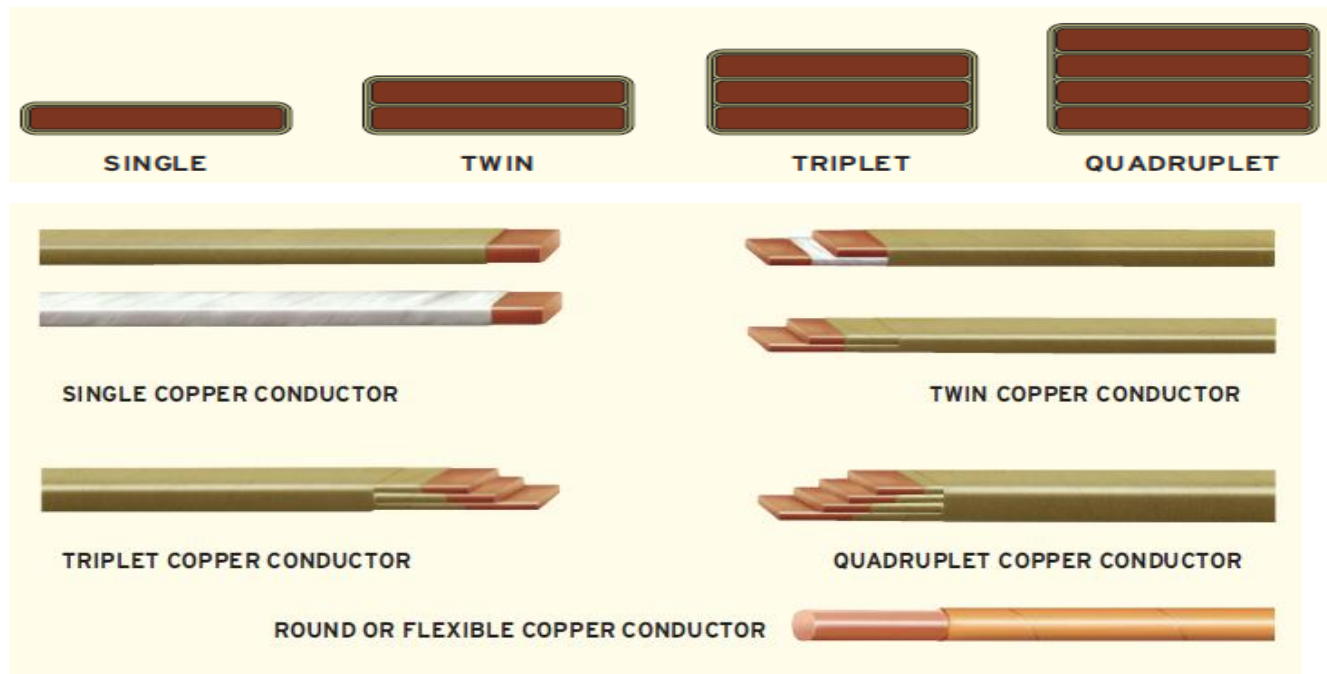
- **SARMAKİNA A.Ş.** offers a wide range of high quality insulated winding wires with different insulation types and composition according to customer specifications.

PAPER TYPES

- Kraft Paper, Thermokraft Paper (Thermally Upgraded), Nomex, Creped Paper, etc.

NORMATIVE REFERENCES

- EN 13601 Copper and copper alloys
- IEC 60317-0-2 Specification for particular types of winding wires
- IEC 60317-27 Specification for particular types of winding wires
- IEC 60554-3-5 Specification for cellulosic papers for electrical purposes
- IEC 60851-1 to 6 Winding wires

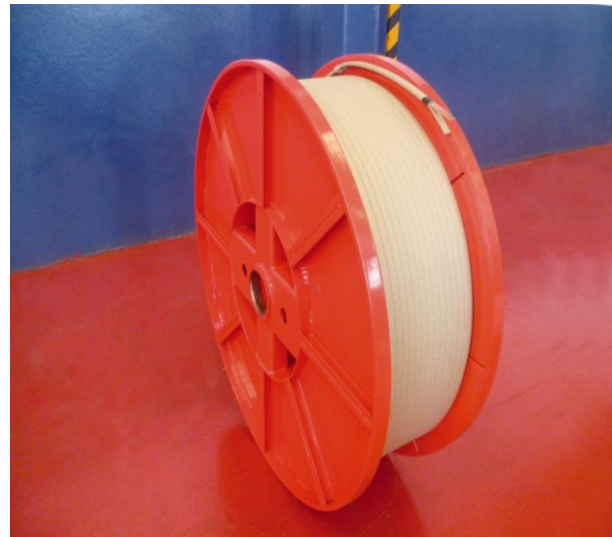


Electrolytic Copper according to EN 13601

Electrolytic Aluminium according EN 573-3 (DIN 1712)

Thickness Width	1,12	1,25	1,40	1,60	1,80	2,00	2,24	2,50	2,80	3,15	3,55	4,00	4,50	5,00	5,50	6,30	7,10	8,00	9,00	10,00	11,00	12,00
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THANK



YOU