

- **ROBOT DRESSING CUTTER**
- TIP OPENER/RATCHET
- STUD WELDING ROBOT SPARES
- **PROJECTION WELDING SPARES**
- SEAM WELDING SPARES

- ROBOT DRESSING CUTTER HOLDERS
- CERAMIC GUIDE PINS AND ELECTRODES
- SPOT WELDING ROBOT SPARES
- CAP TIPS AND SHANKS
- SPOT WELDING SPARES

- STUD COLLETS AUTO & MANUAL
- KCF GUIDE PINS AND HOLDERS
- PSW GUN
- SHANKS AND ADOPTERS
- **IT GUN SPARES**





# Company Profile

Dear Sir,

We feel pleasure to introduce ourselves as a Manufacturer of Machinery Products.and its Spares under a brand name of **"BHARTIYA",** We are supplying these products and its spares to various reputed Automobile, Refrigeration and Fabrication industries in India and abroad.

We wish to inform you that we have some Qualities with us which are always beneficial to all the reputed companies like yours. We are supplying best Quality products as per the **EOM**.

If we are not wrong that your company brings/purchases most of the products through imports. we can give assurance to your company that if your company oblige us by giving a chance to supply, we assured cut down of your **COST OF PRODUCTION** by saving loss of time as well as foreign exchange.

We will be very much pleased if you kindly register us to supply you any of the listed products and its spares whenever

required by you. We can submit our most competitive offer on receipt of your specific enquiry.

Nature of Business	Manufacturer, Supplier, Exporter
Year of Establishment	1984
Original Equipment Manufacture	Yes
Standard Certifications	ISO 9001:2015

The name of some reputed companies to whom we are regularly supplying the products and its spares on their specific enquiries are as under:-

01. Ms Honda Cars India Ltd.

02. Ms TATA Motors Ltd.

03. M/s TATA Motors Ltd.

04. M/s Maruti Suzuki India Ltd.

05. M/s Ashok Leyland Limited.

06. M/s Caparo Maruti Limited

07. Ms Caparo Engineering India Limited
08. M/s Jai Bharat Maruti Ltd.
09. M/s SKH Metals Ltd.
10. M/s H-One India Pvt. Ltd.
11. M/s Rasandik Engineering Industries India Ltd. - Noida.
12. M/s Bestex MM India Pvt. Ltd.
13. M/s Bellsonica Auto Component (1) Pvt. Ltd.
14. M/s Veegee Kaushiko Engineering Pvt. Ltd.
15. M/s Victora Auto Pvt. Ltd.
16. M/s G-TEKT India Pvt. Ltd.
17. M/s Haryana Industries.

Kindly feel free to write/contact us for more information about our products and your enquiries. Regards,

For INDIAN INSTRUMENTS

(O.P. Verma)





## **OUR CLIENTS**

S.No.	COMPANY NAME	PLANT
1	HONDA CARS INDIA LTD.	NOIDA
2	HONDA CARS INDIA LTD.	ALWAR
3	H-ONE INDIA PT. LTD.	NOIDA
4	H-ONE INDIA PT. LTD. ALWAR	ALWAR
5	HARYANA INDUSTRIES	GURGAON
6	TECUMESH INDIA LTD.	DELHI
7	YUTAKA AUTO PARTS INDIA PVT. LTD.	RAJASTHAN
8	BELLSONICA AUTO COMPONENT	MANESAR
9	S.K.H. Y-TEE INDIA PVT. LTD.	GUJRAT
10	SKH METALS LTD.	GURGAON
11	SKH METALS LTD. (III)	MANESAR
12	SKH METALS LTD.	BINOLA
13	G-TAKTINDIA PVT. LTD.	RAJASTHAN
14	MARUTI SUZUKI INDIA LTD.	GURGAON
15	MARUTI SUZUKI INDIA LTD.(A)	MANESAR
16	MARUTI SUZUKI INDIA LTD.(B)	MANESAR
17	TATA MOTORS LTD.	RUDERPUR
18	TATA MOTORS LTD.	AHMEDABAD
19	VEEGEE INDUSTRIAL ENTERPRISES PVT. LTD	FARIDABAD
20	VEEGEE INDUSTRIAL ENTERPRISES PVT. LTD	FARIDABAD
21	VEEGEE KAUSHIKO ENGG. PVT. LTD.	FARIDABAD
22	VEEGEE AUTO COMPONENT PVT. LTD.	GUJRAT
23	VEEGEE INDUSTRIAL ENTERPRISES PVT. LTD	PRITHLA
24	ASHOK LEYLAND	RUDERPUR
25	ASHOK LEYLAND	ALWAR
26	VICTORA TOOL ENGG PVT. LTD. (II)	FARIDABAD
27	VICTORA AUTO PVT.LTD.	SIKRI
28	VICTORA TOOL ENGINEERS PVT. LTD.	FARIDABAD
29	VICTORA TOOL ENGG PVT. LTD. (II)	FARIDABAD
30	VICTORA TOOL ENGINEERS PVT. LTD.	FARIDABAD
31	VICTORA AUTO PVT.LTD.	MANESAR
32	NEEL METALS PRODUCTS LTD.	GURGAON

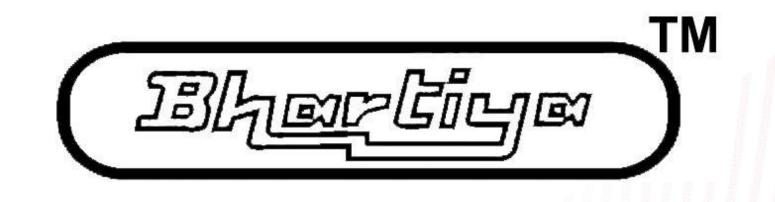




## **OUR CLIENTS**

S.No.	COMPANY NAME	PLANT
33	NEEL METALS PRODUCTS LTD.	RUDERPUR
34	ENCO ENGINEERS COMBINE PVT.LTD.	GURGAON
35	ENCO ENGINEERS COMBINE PVT.LTD.	REWARI
36	RASANDIK ENGG. INDUSTRIES INDIA LTD.	NOIDA
37	RASANDIK ENGG. INDUSTRIES INDIA LTD.	GURGAON
38	JBM AUTO COMPONENTS	GURGAON
39	JBM AUTO SYSTEM LTD.	AHEMDABAD
40	JBM AUTO LTD	AHEMDABAD
41	JBM AUTO SYSTEM PVT. LTD.	TAMIL NADU
42	JBM AUTO LTD	RAJASTHAN
43	JBM LTD. (PLANT-II) - 2	GURGAON
44	CAPARO MARUTI	RUDERPUR
45	CAPARO MARUTI	GURGAON
46	CAPARO MARUTI	AHMEDABAD
47	CAPARO MARUTI LTD.	BAWAL
48	CAPARO MARUTI LTD.	REWARI
49	GESTAMP PUNE AUTOMATIVE PVT. LTD.	PUNE
50	DEE EMM GIKEN PVT. LTD.	FARIDABAD
51	HI-TECH ENGINEERS	GURGAON
52	NTH HI- TECH PVT.LTD.	MANESAR
53	MARK EXAUST SYSTEMS LTD.(A)	GURGAON
54	MARK EXAUST SYSTEMS LTD.(B)	MANESAR
55	SERVICE ENGG INDUSTRIES	GURGAON
56	SML SUZUKI LTD.	PUNJAB
57	FORD	AHEMDABAD
58	BEST WELD INTERNATIONAL	BANGALORE
59	BESTEX MM INDIA LTD.	ALWAR
60	MASCOT TECHNOCART	AHEMDABAD
61	PANKAJ INDUSTRIES	AGRA





## **OUR CLIENTS**

S.No.	COMPANY NAME	PLANT
62	NEW SWAN AUTO COMP PVT. LTD.	LUDHIYANA
63	PASUPATY SPRINGS	DELHI
64	HORIZON INDUSTRIAL PRODUCTS PVT. LTD.	MANESAR
65	IDEAL PRECISION COMPONENT PVT. LTD.	GURGAON
66	INDIA STEEL SUMMIT PVT. LTD.	NOIDA
67	ACCURATE PRESSINGS	FARIDABAD
68	K.R. SPRINGS	GUJRAT
69	K.R. RUBBERITE LTD.(III)	FARIDABAD
70	K.R. RUBBERITE LTD.	FARIDABAD
71	K.R. RUBBERITE LTD.(II)	FARIDABAD
72	K.R. RUBBERITE LTD.(I)	FARIDABAD
73	SHARMA ENGG. INDUSTRIES	FARIDABAD
74	SAKET FEB	PALWAL
75	MITASO APPLIANCES LTD.	FARIDABAD
76	DENYO MANUFACTURING	PUNE
77	DENYO INDIA PVT.LTD.	GURGAON
78	VENUS INDUSTRIEAL CORPORATION	FARIDABAD
79	BHAWATI TECHNO FAB PVT. LTD.	PALWAL
80	WAHI SONS PVT. LTD. (A)	REWARI
81	WAHI SONS PVT. LTD. (B)	MANESAR
82	HYLINES AUTO PVT. LTD.	SOHNA
83	AGRO ENGINEERING WORKS	GURGAON
84	SHARDHA MOTORS	GURGAON
85	INDO AUTO TECH	FARIDABAD
86	NEO AUTOMATION	AHEMDABAD
87	QMW DONGSHIN	PUNE
88	ADITYA AUTO PRODUCTS.	BAWAL
89	A2Z FILLERATION	BAWAL





## **OUR REPUTED CLIENTS**



Ashok Leyland













































#### VEEGEE INDUSTRIAL ENTERPRISES PVT.





## **OUR REPUTED CLIENTS**







































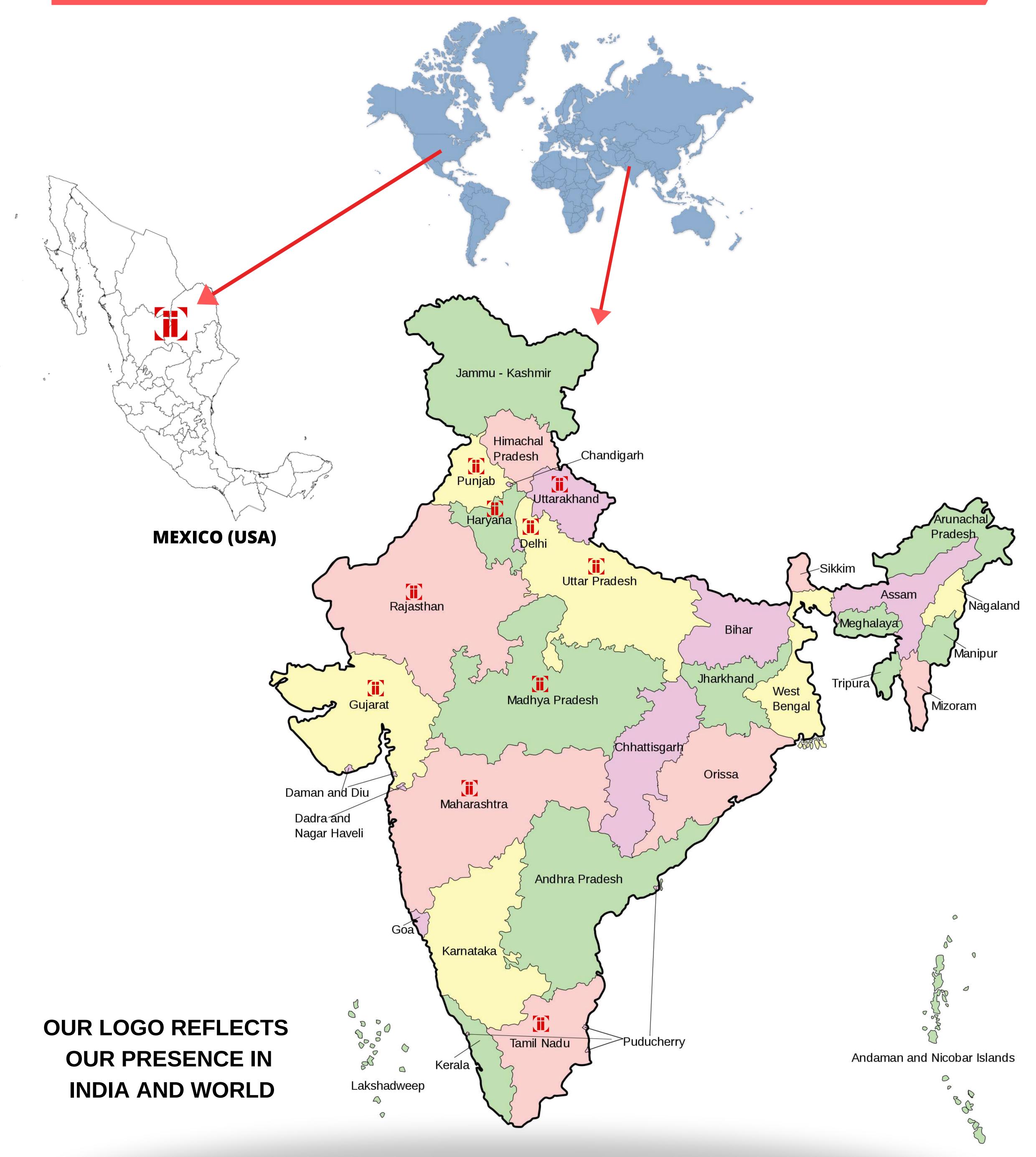








## **OUR PRESENCE**







## List of Products for "WELD SHOP"

S.No.	PRODUCT NAME
1	SPOT WELDING ROBOT TIP DRESSING CUTTER / BLADE
2	SPOT WELDING ROBOT CUTTER BLADE HOLDERS
3	SPOT WELDING ROBOT FLEXIBLE SHUNT
4	SPOT ROBOT SHANK, SCREW ADOPTER, SHANK ARMS, CAP TIPS
5	WATER MANIFOLD FOR SPOT ROBOT GUN
6	PORTABLE SPOT WELDING GUN (PSW GUN)
7	PISTON ROD FOR (C) TYPE PSW GUN WITH COPPER WATER COOLING TUBE
8	CYLINDER FOR PSW-GUN
9	CAP TIP OPENERS / RACHIT
10	PNEUMATIC TIP DRESSER FOR SPOT CAP TIP RESHARPENING
11	OFF-LINE TIP DRESSER FOR SPOT CAP TIP RESHARPENING
12	IT GUN SPARES (LIKE, SHUNTS, HOLDERS, WATER DISTRIBUTOR, SPECER HOSE, INSULATOR, CYLINDER ROD, PIN ETC)
13	STUD GUN SPARES (LIKE STUD COLLETS, OUTER, INNER, GUIDE PISTON, FLASH SHIELD, STUD RECEIVER ETC)
14	PROJECTION WELDING SPARES
15	KCF/CERAMIC GUIDE PINS
16	LOWER ELECTRODE / COPPER NUTS
17	WATER COOLING JACKETS FOR VARIOUS MODELS ETC.
18	DOUBLE NUT, CHUCK NUTS
19	RUBBER MALLET
20	JUMPER CABLE
21	SUB CABLE
22	HOLE SAW CUTTER
23	DENT PULLER
24	LOCATING PINS FOR JIG FIXTURES
25	SPOT ROBOT STRAIHGHT SHANK / ARMS
26	BOLT WELDING ELECTRODE FOR T STEP
27	SEAM WELDING HEAD (REPAIR FACILITY)
28	SEAM WHEEL
29	SEAM WHEEL DRESSING CUTTER
30	SEAM SHAFT
31	SEAM SILVER CONTACT SHOES
32	GAS REGULATORS (CO2,OXYGEN,ARGON,ACETYLENE
33	FLOW METER
34	MANUAL CUTTER HOLDER
35	MANUAL TIP DRESSER





## List of Products for "PAINT SHOP"

S.No.	PRODUCT NAME
1	V. Jet Nozzle.
2	Sprinkler Nozzle (Shower)
3	Sealer Nozzle (Various Type)
4	Nozzle PU sealant.
5	Sealer Gun Adapler (Carbide).
6	Spool for Sealer Gun.
7	Air Motor Cylinder.
8	Pump Piston.
9	Pump Shaft
10	Cylinder for PRM Pump.
11	Load sheave for Hoist motor.
12	Wax Nozzle Side Seal.
13	Wax Nozzle Door.
14	Wax Nozzle under Body.
15	Sealer Nozzle Wheel Arch.
16	Earth Brush.
17	Guide Nozzle.
18	Door Hinge Nozzle.
19	Hood &Trunk Hinge Nozzle.
20	Tip sealer Trunk Lid

## List of Products for "PRESS SHOP"

S.No.	PRODUCT NAME
01	Vaccum Cup adapter Assly.
02	Auto Connector Assly. (Auto Joint) For Transfer Press - (Any Model)





# **ROBOT DRESSING CUTTER / BLADE**



#### **Features:**

- Accurate Spot Area with Sharpen, Smooth finish.
- Variety of Cutter Blades for various Cap Tip Shapes.
- Designed for 13D / 6D Cap Tip Drawings.
- Scope always available to meet customer's requirement..
- Dressing time of each cutter approximately 8,000-10,000 Sec.
- Special requirement or any development, feel free to contact.

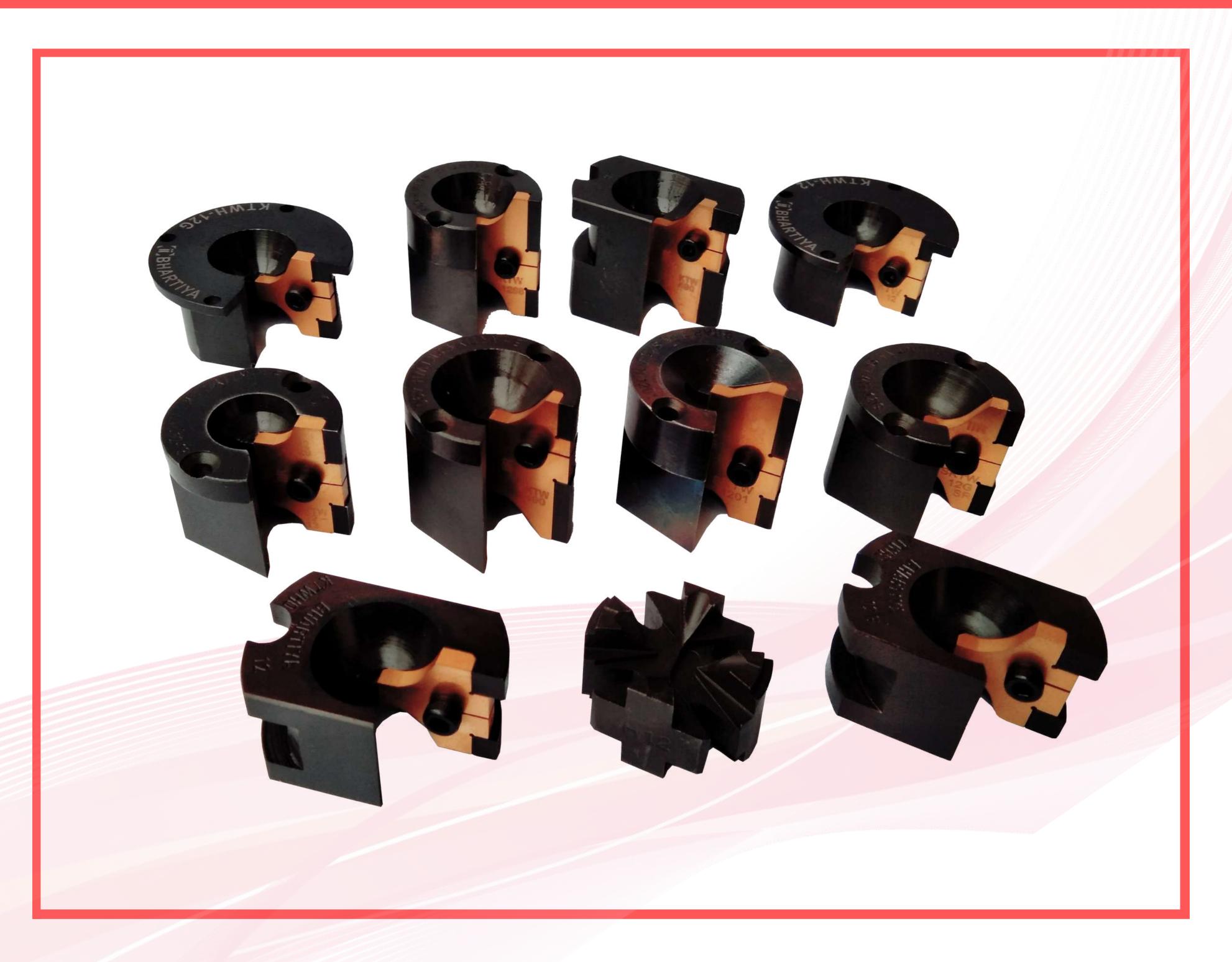
#### **OUR FEW REGULAR MODEL SERIES:-**

- KTW • GD - 16
- KTL • GD - 13
- KTW(U) • MTD - 16D / 13D
- AC4
  - info@indianinstruments.net :: verma\_indianinstruments@rediffmail.com www.indianinstruments.net :: www.bhartiyaii.com :: www.indianinstruments.in +91 9810-42-55-11 :: +91 9811-22-12-73





# **ROBOT/ MANNUAL DRESSING CUTTER HOLDERS**



#### **Features:**

Designed for Variety of Cap Tip Shapes.
 Available in Various sizes and designs.

- Designed for Dual sided sharpeners/ shapers.
- Maintain proper Tip Dressing in order to save time, consistency and quality.
- Durable and consistent approximately for 18000-20000 Sec. of Dressing time.
  - Special requirement or any development, feel free to contact.

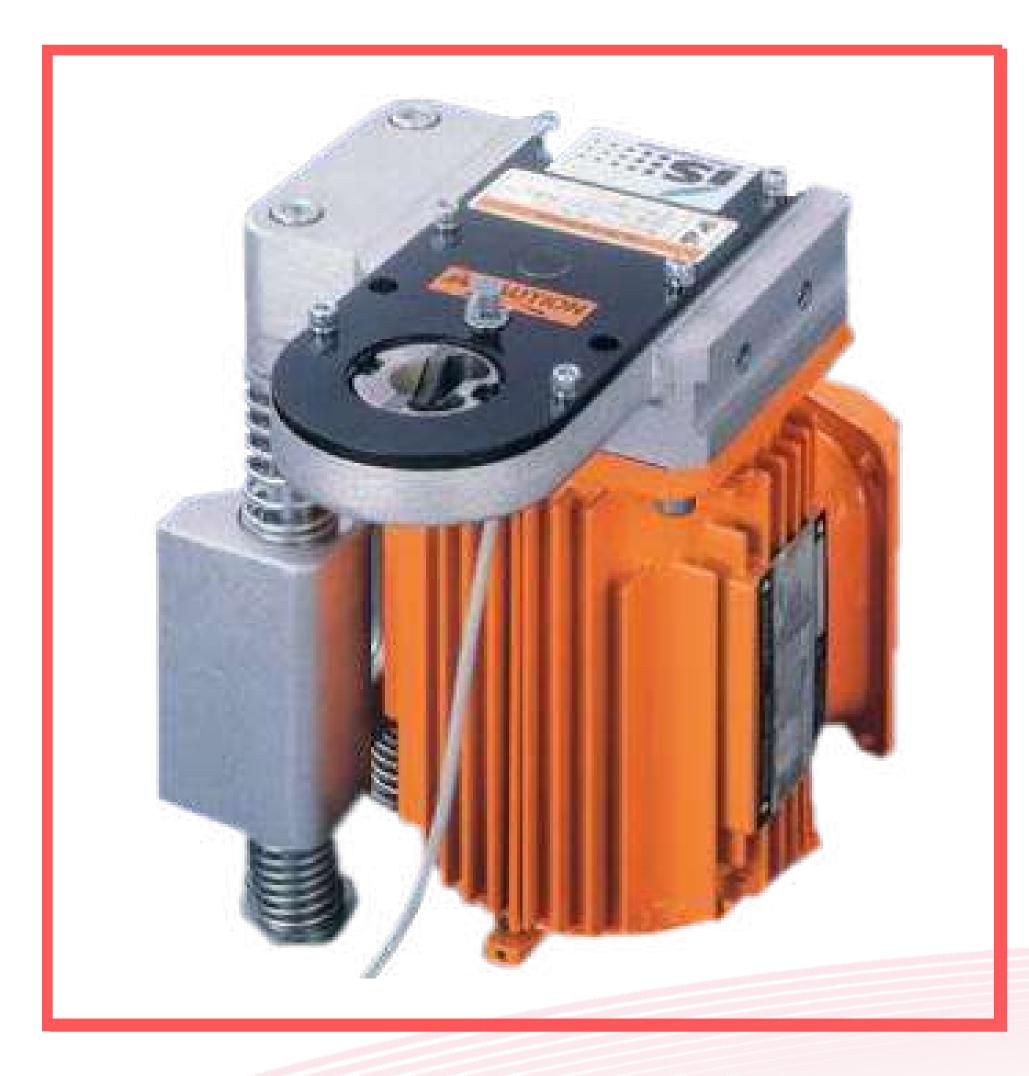
#### **OUR FEW REGULAR MODEL SERIES:-**

- KTWH MTD 16D
- KTWHO MTD 16D
- KTWHL DJ-H 19D





## AUTO TIP DRESSER



#### **Features:**

- It is designed for spot welding robots.
- Available in various Models 16D,13D.
- Precise an accurate result.
- Electrically operated.
- Manufactur as per customer required

make or design.

## PNEUMATIC TIP DRESSER

#### **Specification:**

- MODEL
- POWER
- ETD- 18F.
- Compressed AIR.



- TIP DIAMETER 8-18MM.
- REVOLUTION 1300 rpr.
- WEIGHT 1.65 kg.
- HOSE DIAMETER 8MM.

#### **Features:**

- Small,Light and easy to handle.
- Quick and accurate work.
- Low air consumption.
- Easy to change cutter and cutter case.
- Cutter available for various cap tip sizes.





# CENTRALISED / OFFLINE TIP DRESSER





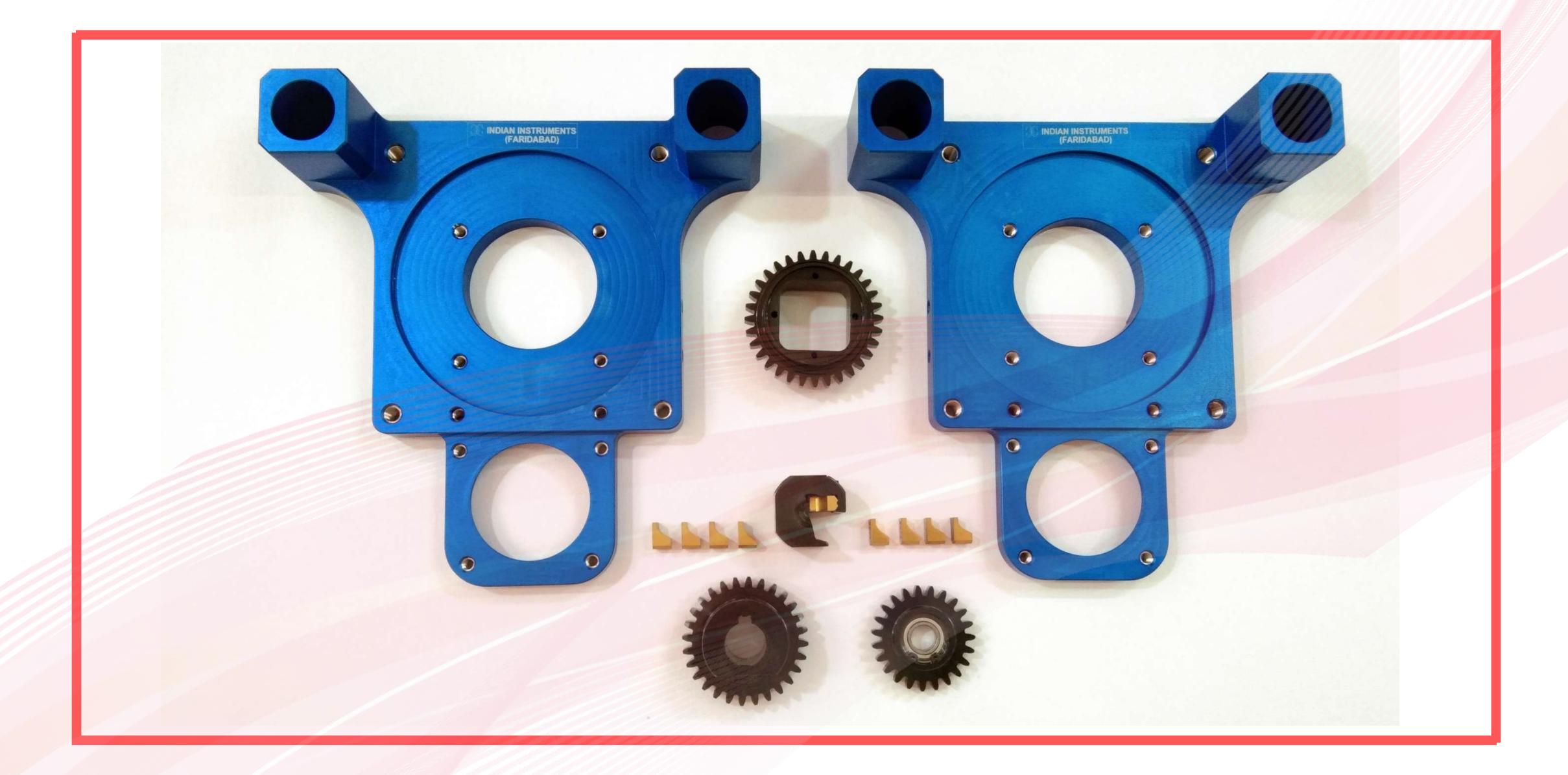
#### **Features:**

- Designed to dress various sizes of cap tips.
- Help to reshape /Dress the used cap tips in to there original firmed shapes.
- Easy to operated by the semi -skilled operated.
- Its save time of dressings by providing accurate spot area.
- Available for conical / radius cap tip shapes.
- Help to reduce rejection of components by providing accurate spot after dressing.





## Auto Tip Dresser Assembly



### **Specifications**

- Top cover for Auto tip dresser For spot welding Robot.
- Complete Gear Box Assembly set (Set of 3 Gears).
- Cutter Holder for Spot Welding Robot Dresser 16D and 13D.
- Dressing Cutter for spot welding Robot 16D and 13D

#### Features

- Available in various size like 16D and 13D.
- Manufactured by skilled person.
- Perfect interchangeability.
- Exact Fitment.
- 100% import substitute with maximum cost reduction.
- Quantity as per OEM.





## **ROBOTIC SPOT WELDING SHANKS AND ADOPTERS**







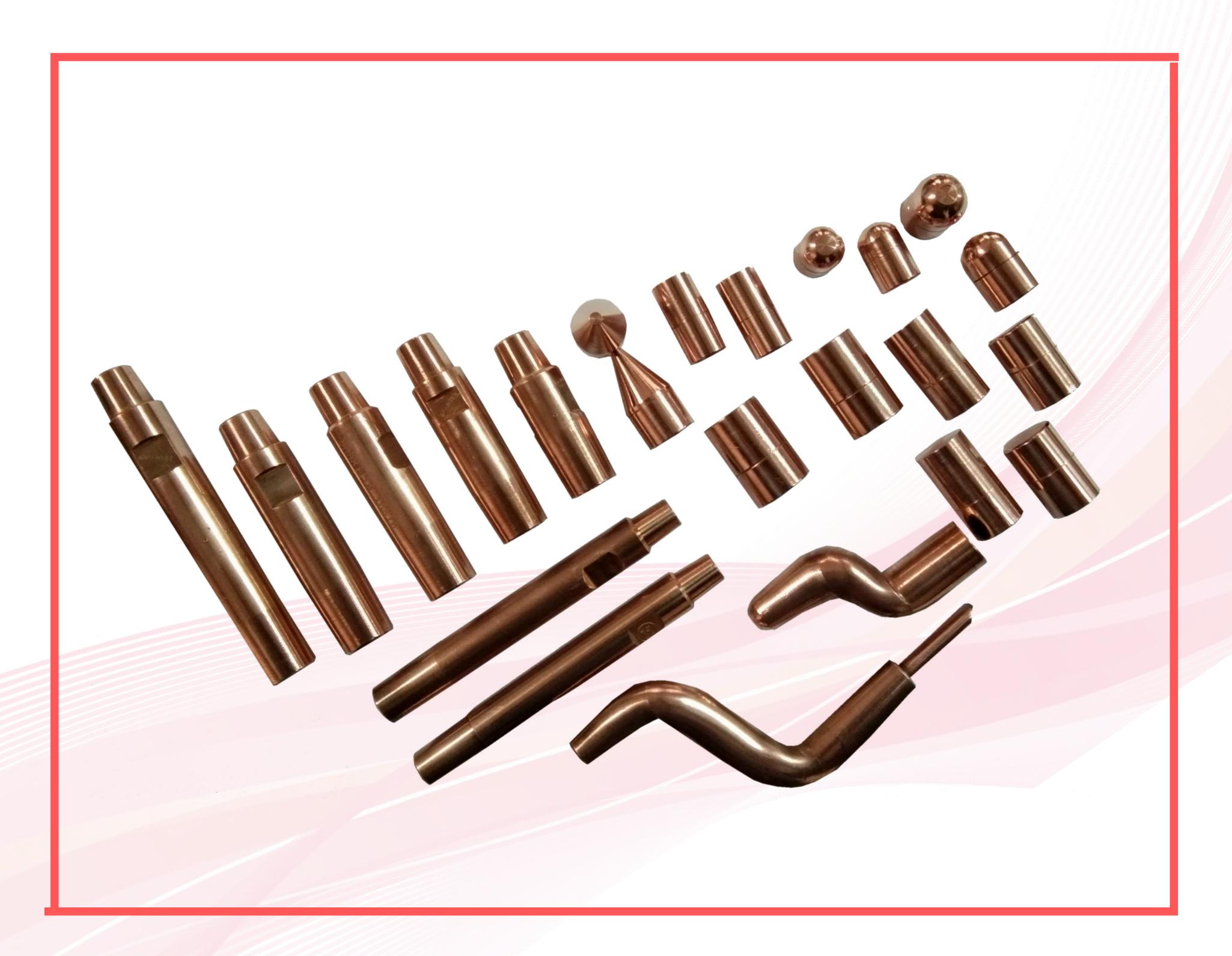
#### **Features:**

- Available Robotic Gun Arms for all type of Spot Welding Robots.
- Available in various Sizes in shapes.
- Equalent life span as per OEM Arms.
- Best Quality as per OEM.
- Perfect Interchangeability.
- Preciously Manufactured for exact fitment.





## **CAP TIPS AND SHANK**



#### **Feature:**

- Shanks and Cap Tips are available in various sizes.
- Material used in Beryllium and Chromium Zircornium.
- Used in Robotic Spot Welding and manual spot welding.
- Sizes can be customized as per requirement.
- Longer life span due to graded base material.

### **Few Regular Models:**

- CAP TIP 16\*23(16D).
- CAP TIP 13\*20(13D).
- F CAP TIPS For PROJECTION.
- Z Electrodes.
- Shanks SS-16 (110).
- Shanks SS-16(100)
- Conical CAP TIP With Face 3,4,5 & 6mm spot Area.





# ROBOT SHUNTS/ CURRENT CARRIERS/ BUS BARS



#### **Features:**

- Flexible Shunts /Copper Current Carrier for spot Welding robots.
- Available for Various IT Guns.
- Full Range For Projection Welding Machines SSW, MSW etc.

High Grade Copper sheets are used in shunts for longer life.

High Experties / skills used for manufacturing current carrier exact fitment.

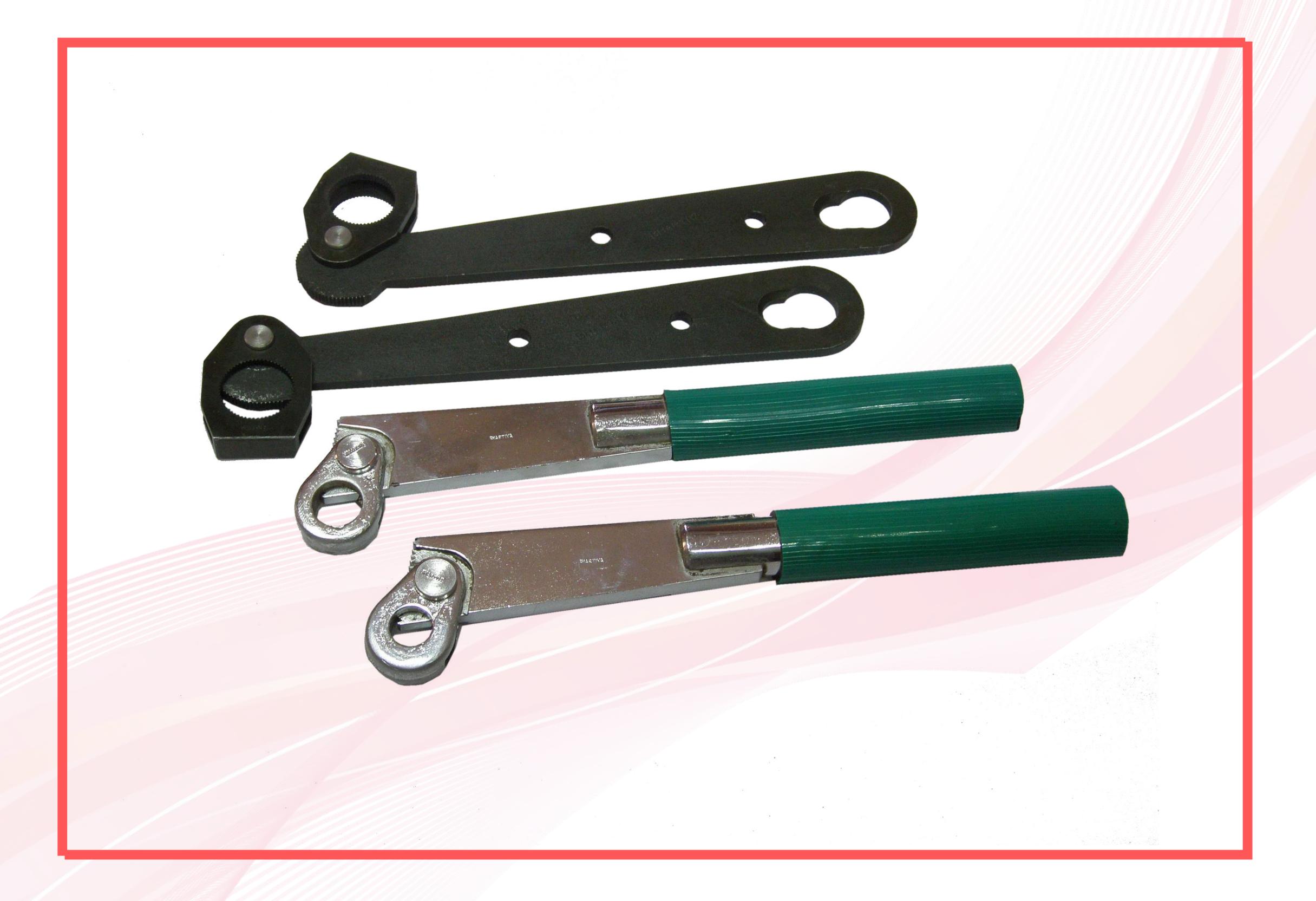
**Few Regular Model Series (As per customer requirement):** 

- 303S100KS (As per OBARA)
- CB1 (As per DENYO)
- 39181, 30814, 39347 etc. (As per TECNA)
- Used in Spot Welding Robot Guns and IT Guns





# CAP TIP OPENER/ RATCHET



#### **Features:**

- Designed for opening variety of Cap Tip Shapes.
  - Easy to use, Light weighted and handy.
  - Reduces Wastage of time while removing cap tips.
    - Help to avoid accidents.
  - Universal design to open from M-13D to M-22D.
  - Protect wear and tear on Caps Tips.





## KCF GUIDE PINS AND HOLDER



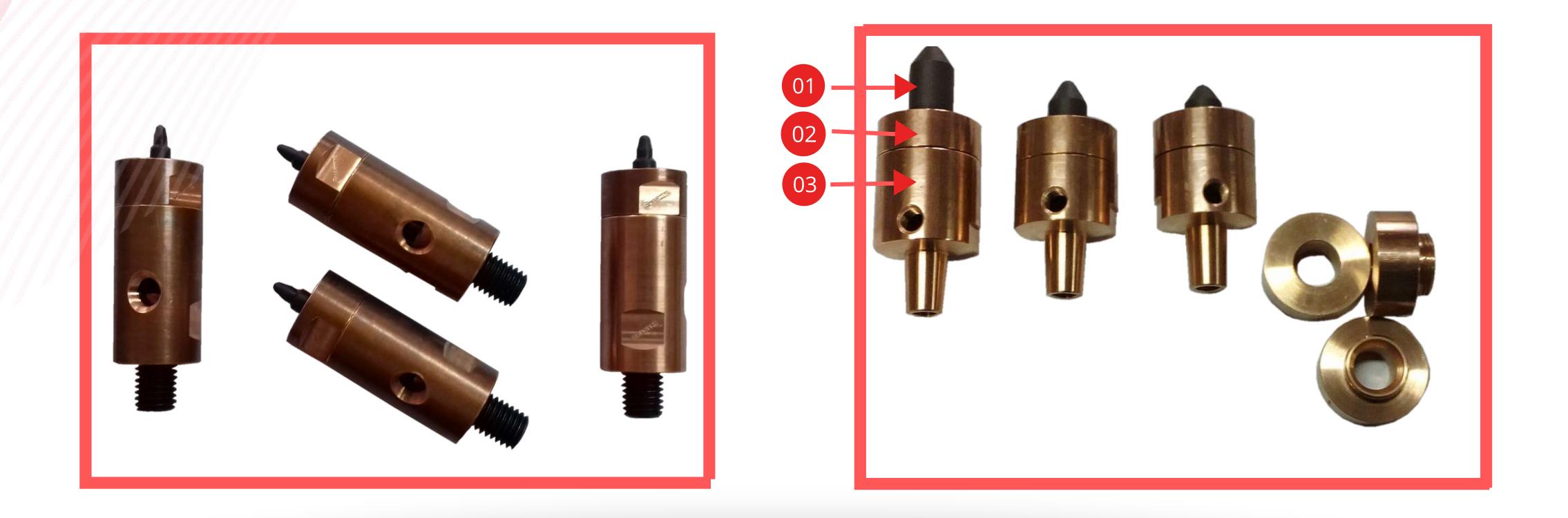
#### **Features:**

- Wide Range of KCF Guide Pins available in various models.
- Special Heat treated alloy with a hard insulated skin.
- A low cost pin with a reasonable lifespan.
- KCF Guide pin will be stable by air flow.
- Shape of Guide pin tip is tapered, it helps stable nut insert and holding.
- Projection nut welding Assly is combination of three given items:-

01. KCF Guide Pin.

02. Lower Electrode.

03. Lower Electrode Holder.







## **CERAMIC GUIDE PINS ELECTRODE**





### **Featues:**

- Extreme Hardness. High Thermal shock Resistance.
  - Temperature Resistance.. High Tensile Strength.
- Available in Black, Gray & White.
- Available in Min M-4 to M-12 or Customize.
- Available in SS threaded base.



## **Specifications:**

- Compressed Strength(MPa)... 2900
- Bending Strength(MPa)..800
- Elasticity(GPa).. 300
- Refractory (C)...1200





# BOLT WELDING ELECTROD/ KCF INSULATION SLEEVE





## **Features:**

- Split type Electrode for Bolt Weld..
- Prevent Screw for breakage and damage.
- Available in Min. M-5 to M-12 or Customize..

#### **Specifications:**

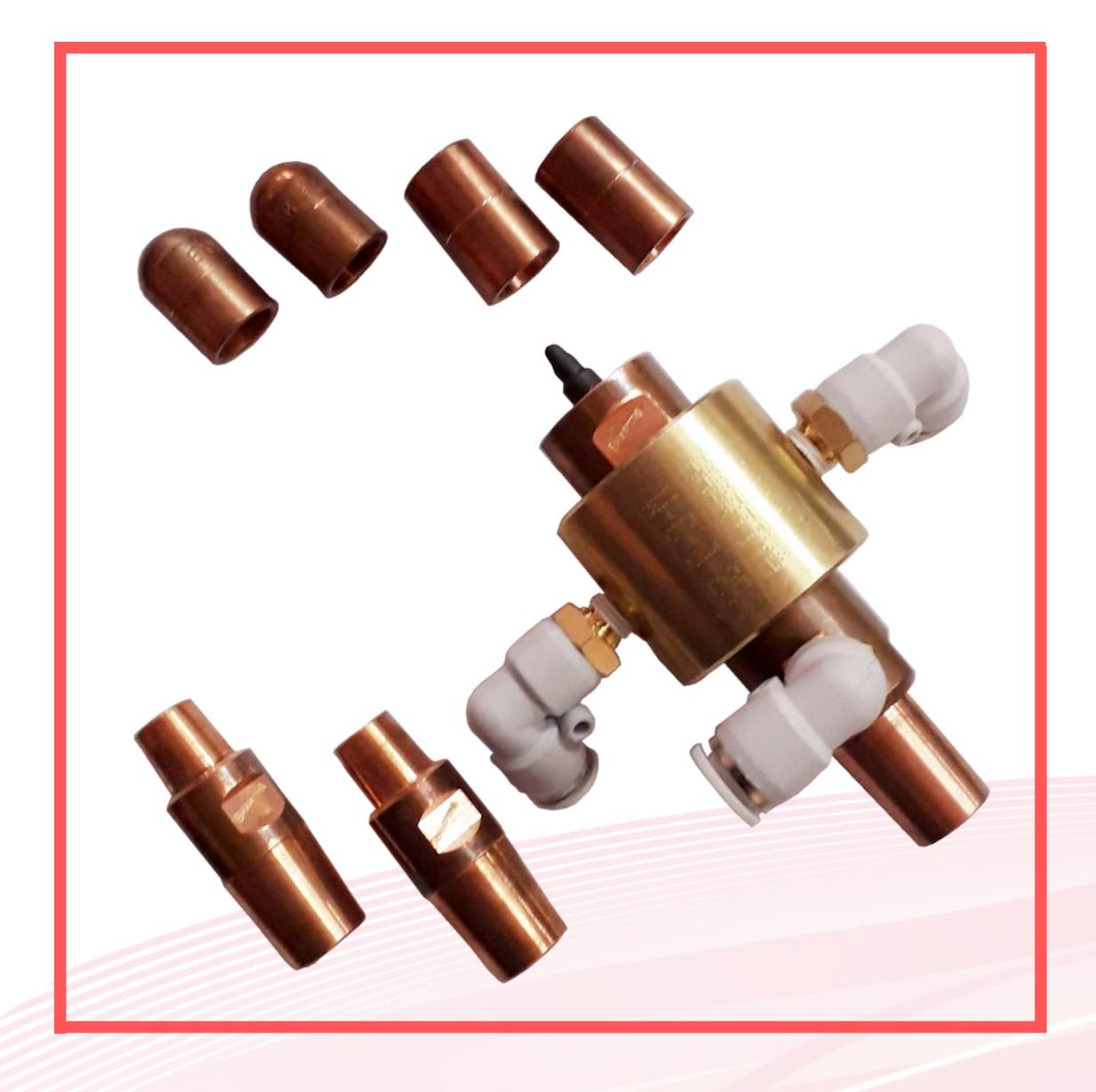
- Self Insulated Grade (KCF).
- Shunting Proof.
- Isolation treatment on the surface.
- Fitted with high grade copper.
- Bold welding electrode.







## WATER COOLING JACKET ASSLY

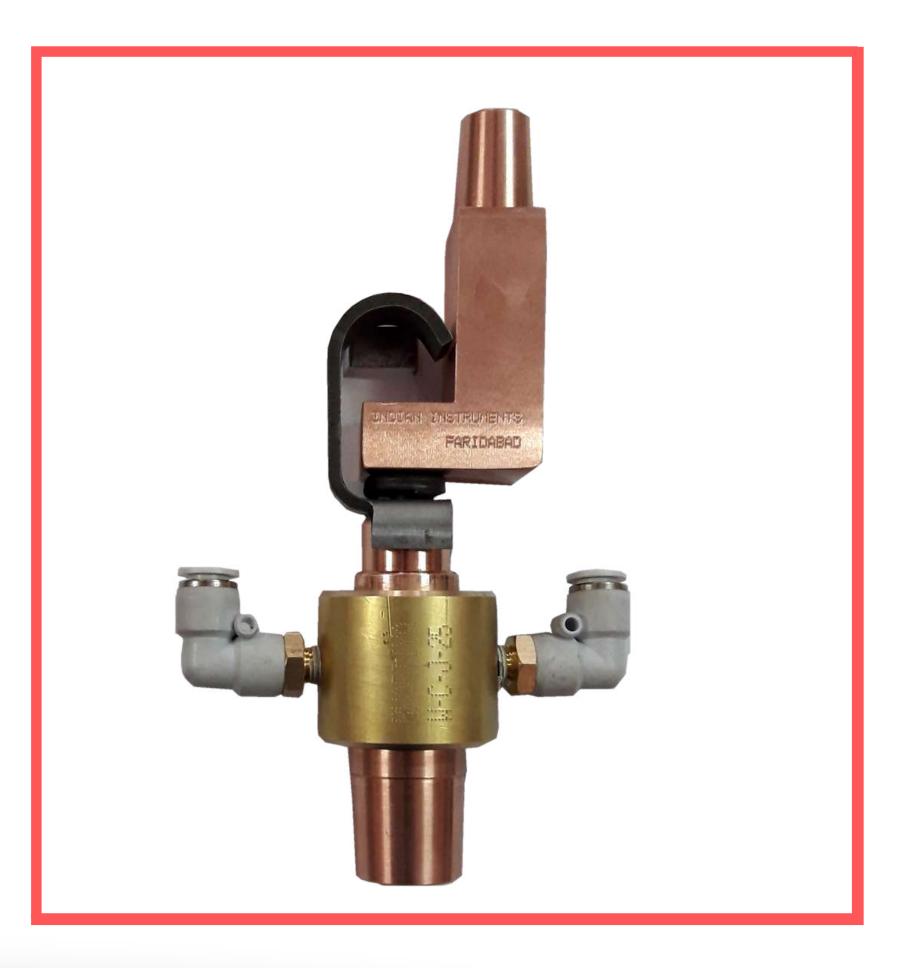




## **Applications:**

 By cooling effect this give longer life of electrode and prevention from lowering conduction by Heat ascension.

#### **Features:**



This matches with various kind of holders.
 Most suitable for narrow place is without thread.
 Prevent from spatter on product.
 Recommendable set for longer life of projection electrode.
 Available in various Models WCJ-20, WCJ-25, WCJ-30.





## **IT GUN SPARES**



#### **Features:**

- Available all kind of IT Guns spares for any make (Like Techno Weldcon, Nash etc.)
- Best Quality as per OEM.
- Perfect Interchangeability.
   Preciously Manufactured for exact Fitment.
- Equalent life span as per OEM.

## **Our Few Products:**

- Cylinder Rods
- Fly Nuts/Pin
- Insulating Hose
- Brass Adopter

- Water Distributor
- Insulator
- Shanks
- Flexible Shunt





## SPARES OF STUD WELDING









#### **Features:**

- Available all kind of Mechanical spares for stud welding gun.
- Best quality as per OEM.
- Perfectly interchangeability.
- Preciously Manufactured for exact fitment.
- Scope of customize Development are also possible.







## STUD COLLETS AUTO & MANUAL FEED



#### **Specification:**

- Available for Autofeed , Manual Feed as well Robot.
- Available in M-3.M-4,M-5,M-6,M-8 &

#### **Our Main Products:**

- Stud Collects
- Swivel Nut
- Feedpot

M-10 Studs.

- Also Available for T-Stud.
- Length Stand from 39mm to as per customer requirement.
- Totally made of copper alloy for longer life.
- Flash Shield
- Loading Pin
- Guide Piston
- Clamping Ring
- Connecting Flange
- Flash Shield Support





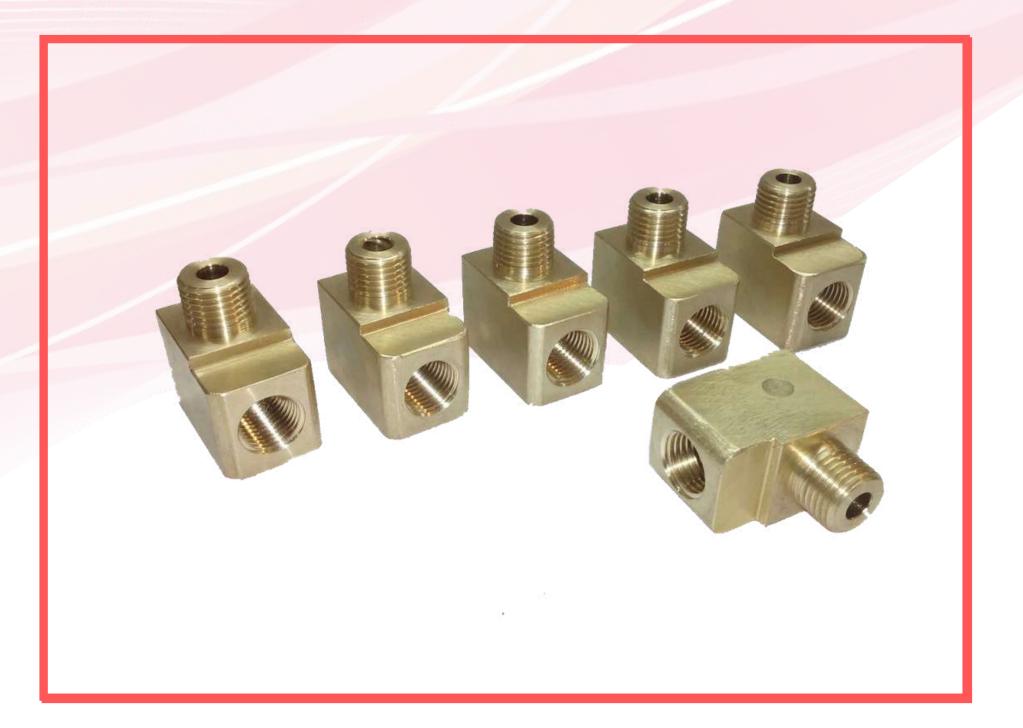
## SEAM WELDING SPARES







- Seam Welding Wheel.
- Seam Welding Drive Wheel.
   Dressing Cutter for Reshaping wheel.
- Seam Shaft.
- Silver Contact Shoe.
- Complete Brass Head.



## Applications

It is used in the assembly of Fuel tank in



automotive industry.

- Especially used in case of seam welded tubing and pipes.
- It is used in Fabrication of gas or liquid tight metal sheets are needed.
- It is also used in fabrication of Heat Exchange.
- Earlier Seam Welding was used to produce steel beverages cans but not currently used





## MIG WELDING ROBOT CONTACT TIPS



### **Standard Copper Welding Contact Tip (E-Cu)**

The E-Cu tip is usually the most affordable, so it's generally an acceptable trade-off to frequently replace it when precise wire targeting is not critical

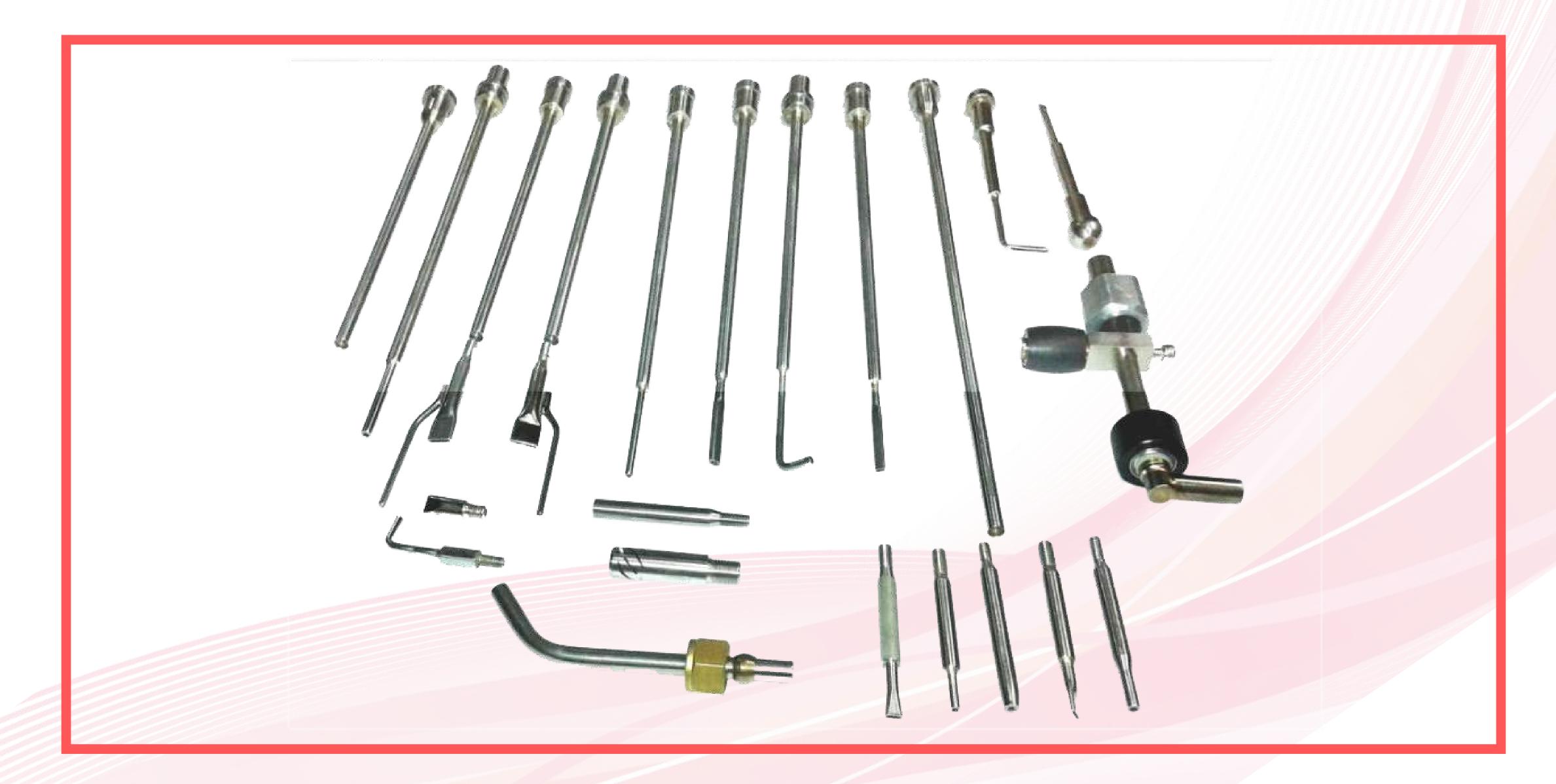
## **Copper-Chrome-Zirconium Welding Contact Tip (CuCrZr)**

A copper-chrome-zirconlum welding contact tip generally is used in automated and robotic welding applications where precise TCP or Tool Center Point, is needed and high duty cycles occur However since CUCRZR alloy softens at a much higher temperature it tends to have a longer life span than standard copper tips Generally speaking, the tip maintans its shape up to approximately 932 degrees verss 500 degrees tor E Cu. Therefore, the higher-density material leads to a lower wear rate and increases the tip's pertomance and productivity.



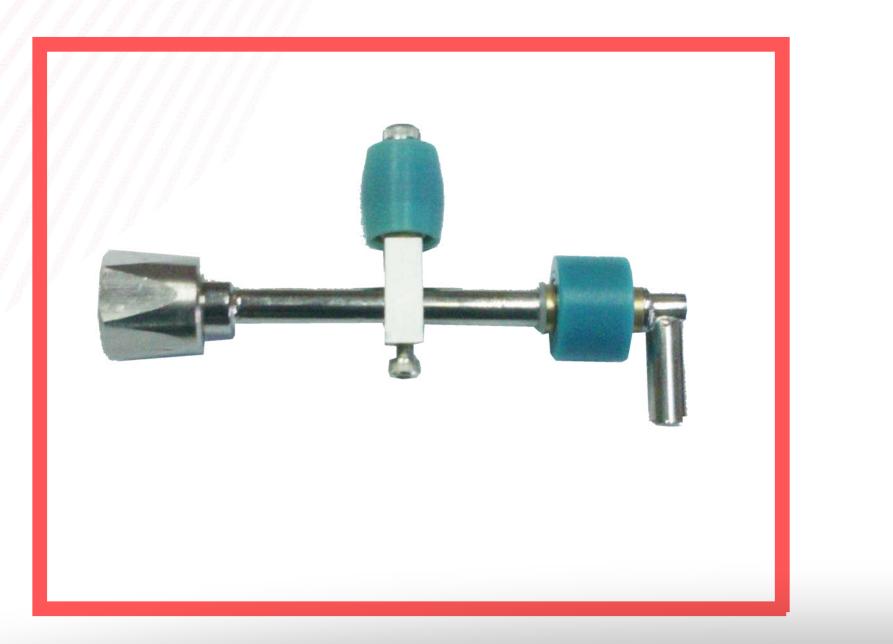


## SEALER NOZZLE



#### **Features:**

- Various Models.
- Sealer Round Nozzle.
- Sealer Hinge Nozzle Standard & Customize Type.
- Sealer Flat Nozzle.
- Wax Nozzle Under Body.
- Wax Nozzle for Door.
- Hood& trunk Hinge Nozzle H & RH.
- Door Hinge Nozzle LH & RH.
- Sealer Wheel Arc.

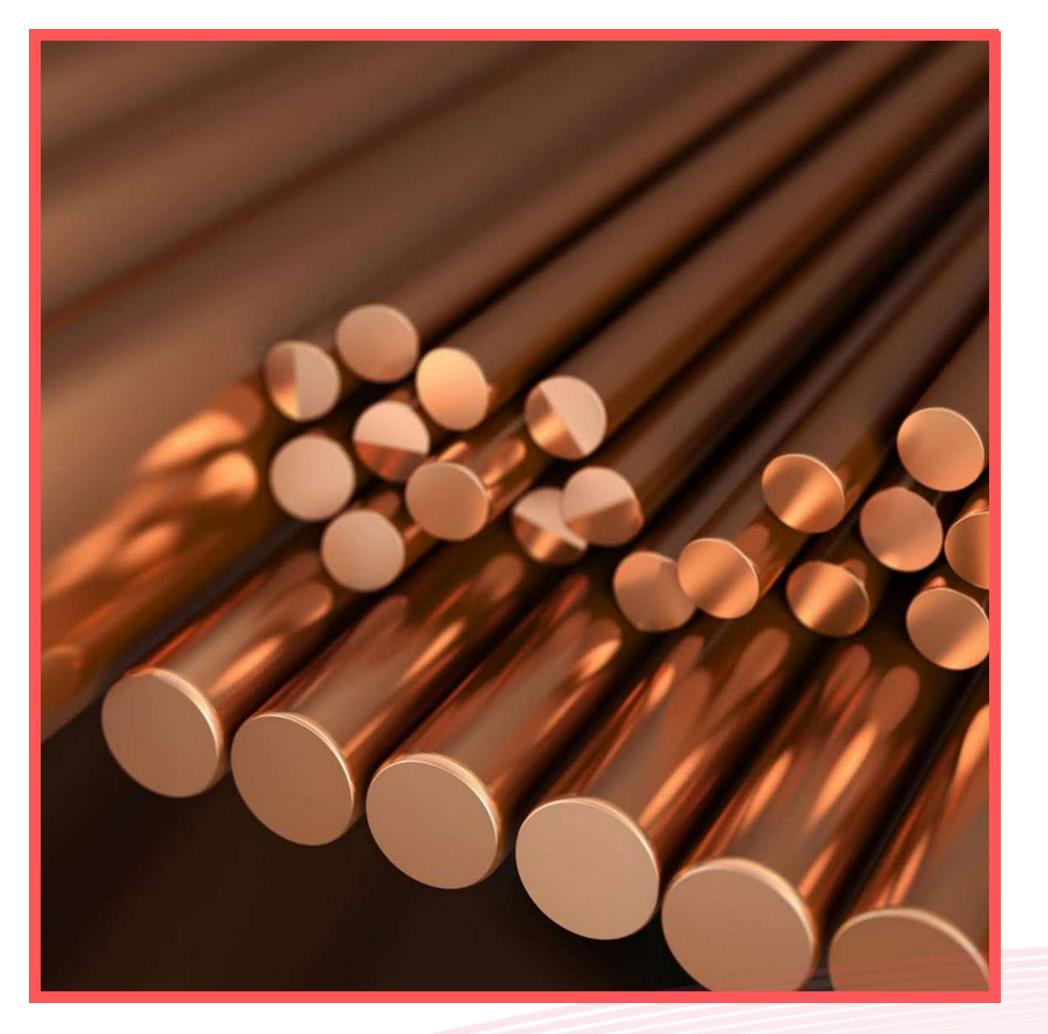








## **COPPER AND BRASS GRADES**



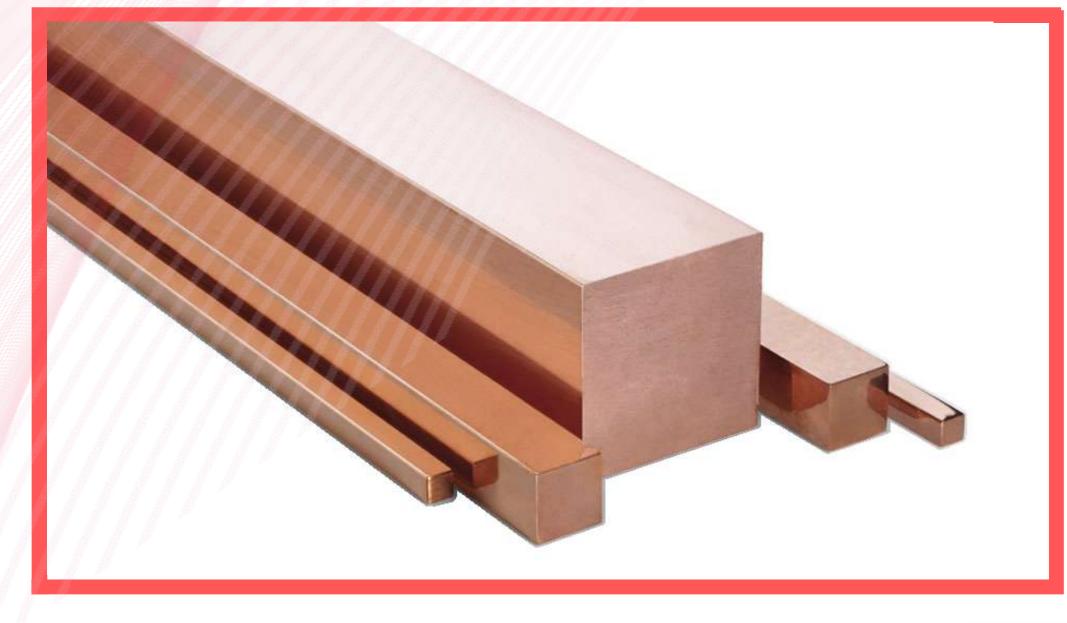


## C18150 Our Products:

- Chromium Zirconium Round Bars.
- Chromium Zirconium hex and flats.
- Beryllium C17500 Rounds and flats.
- Beryllium C17200 Rounds and flats.
- Copper ETP Grade.
- Brass Round Hex and Flats.



BRASS



#### **C17200**

## **Copper:**

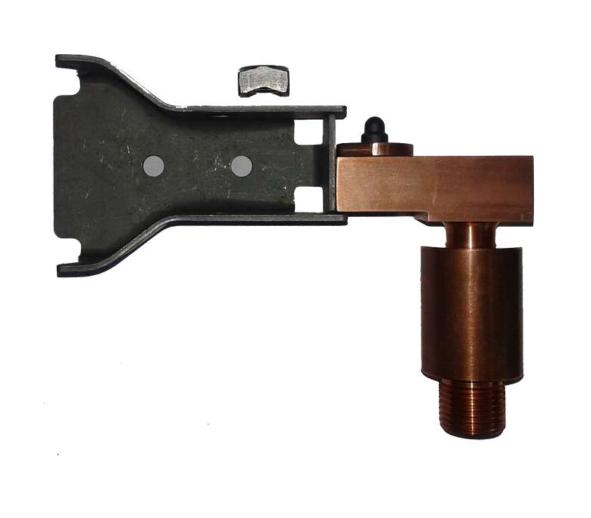
C18150. Chromium Zirconium.
 C17200. Beryllium.
 C17500. Beryllium.

#### **C17500**





### SPECIAL ELECTRODES FOR PROJECTION AND SOPT WELDING











#### I-Type Electrode For **U-Shape Part**

**Special Purpose** Electrode

#### Special Purpose Electrode



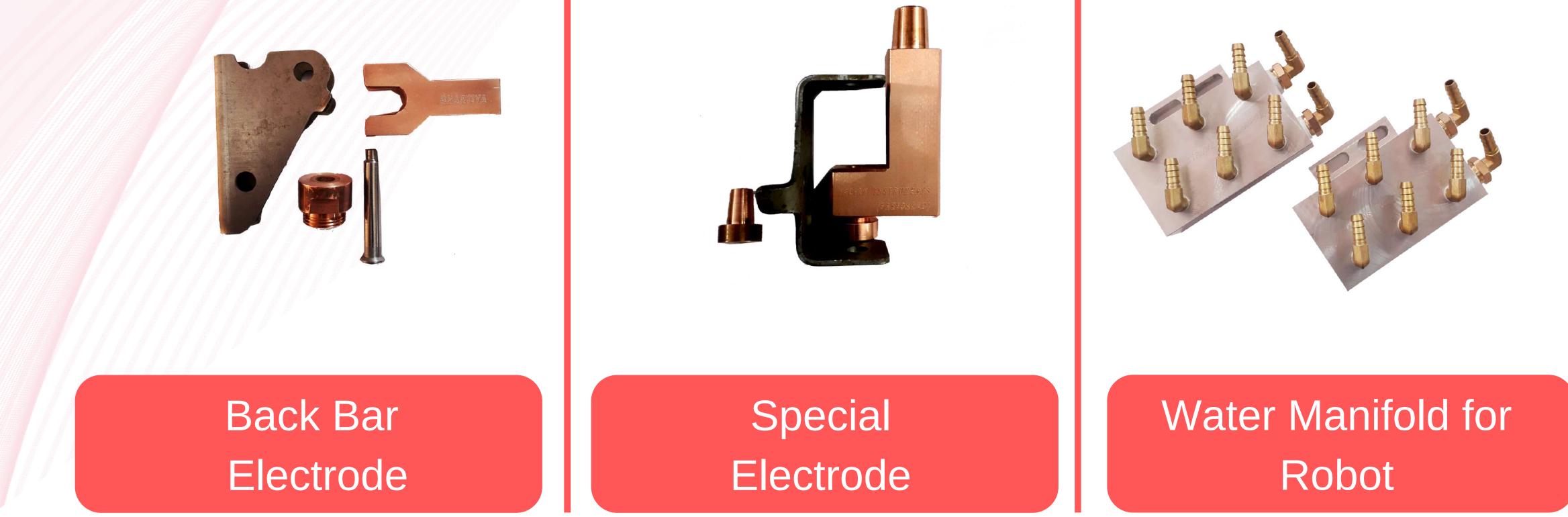


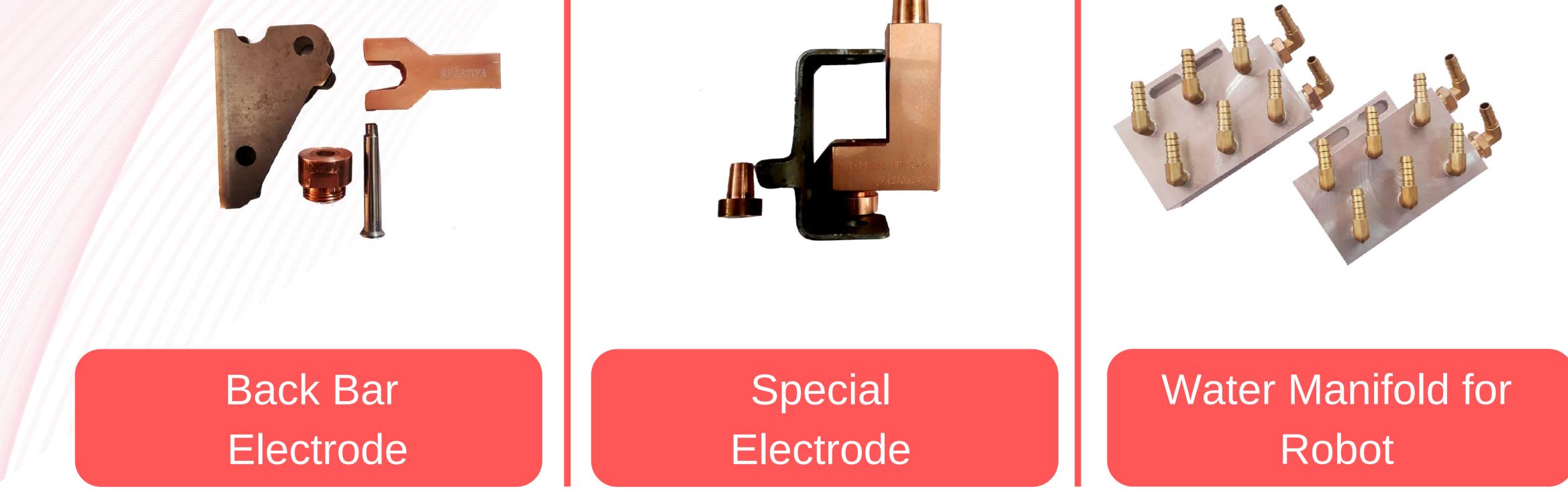


#### Electrode for Narrow (U) Part

Multipoint Bolt Welding Electrode

#### (U) Part Electrode









## MSW AND SSW SPARES



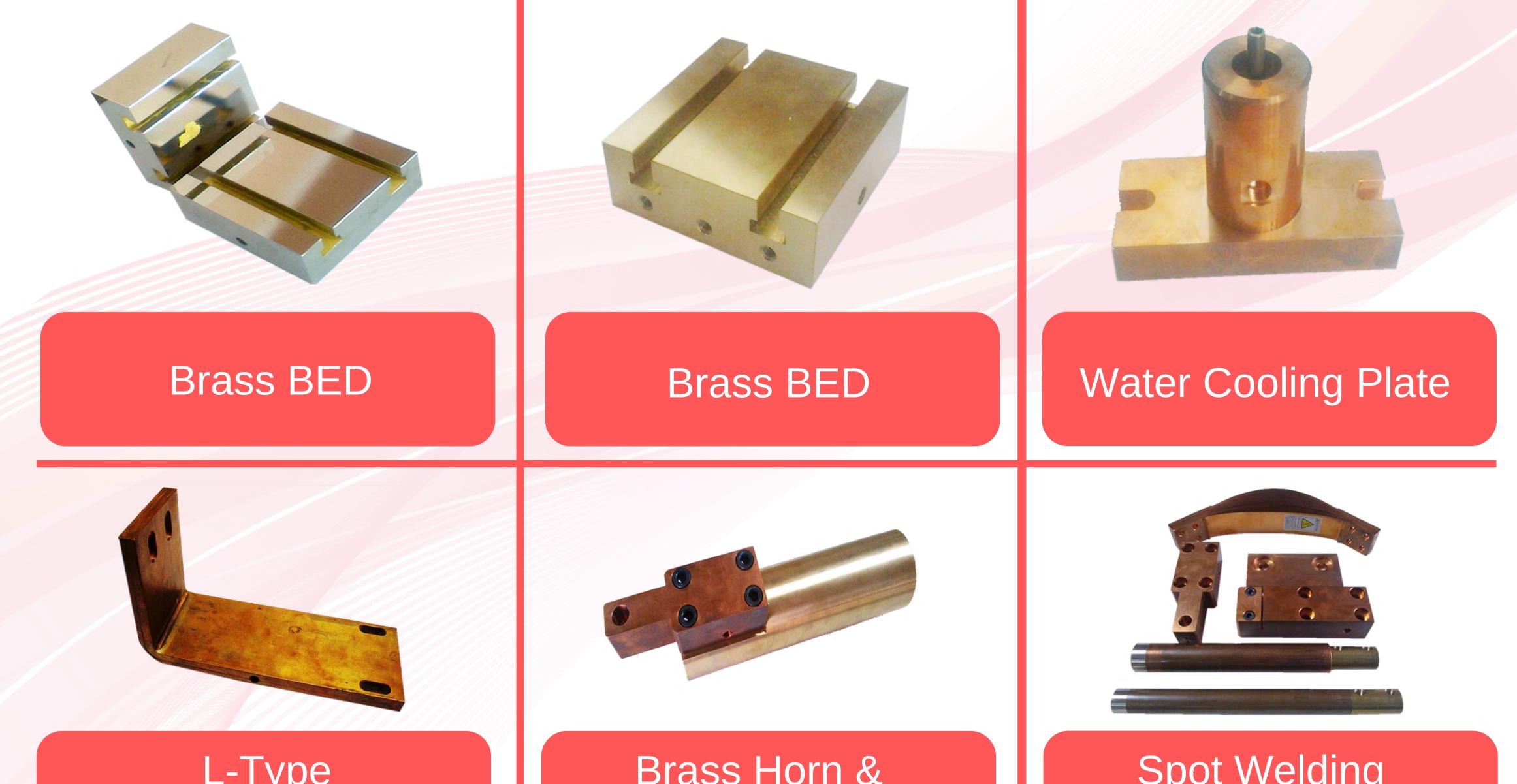


Plate	Shank Holder	Spares
<image/> <image/>	Brass Horn & Shank	<image/>
Copper Nuts	Holder	Mounting Plate





## GAS REGULATORS AND CUTTER



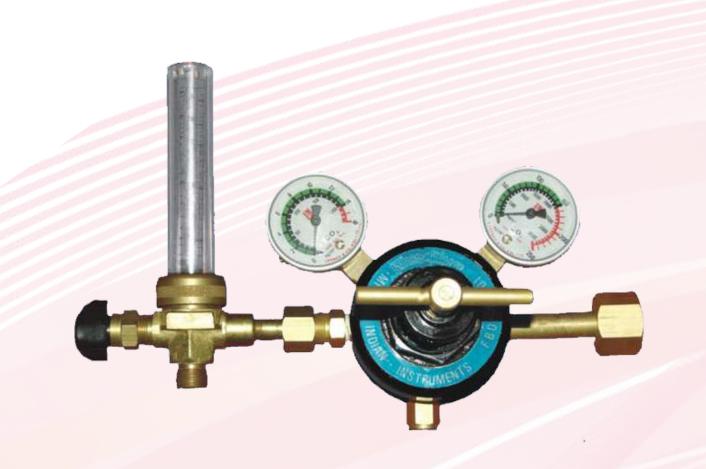




Co2 Gas Flow Meter



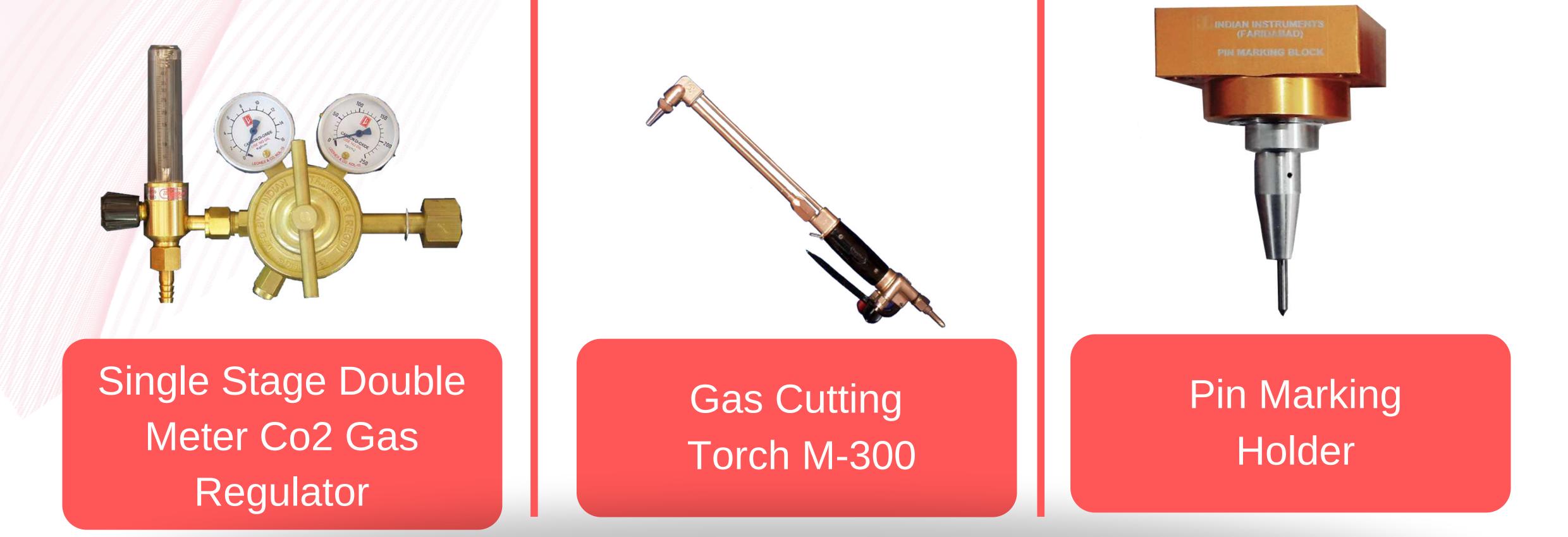
Gas Saver



#### Single Stage Double Meter Co2 Medical Regulator

Single Stage Double Meter Co2 Gas medical Regulator Single Stage Double Meter Oxygen Gas Regulator









## **OTHER PRODUCTS**









#### Air Filling







## **OTHER PRODUCTS**













#### (An ISO 9001 : 2015 Co.)





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