

W E L C O M E

**Polyfit**

Specialists in Fluid Transfer Solution &  
Specialised Fabrications



# Our Specialization

Polyfit was established In the year 1970

Our team specializes in manufacturing of

## Unit –I

- ❖ CNC Pipe And Tube Bending
- ❖ Hydraulic Hose Fittings & Assemblies
- ❖ Custom Made Fittings For Various Fluid Transfer Applications
- ❖ Automobile Parts.

## Unit- II

- ❖ Specialized & customized fabrication work
- ❖ Wind Mill Blade Supporting Structure & Lifting Structure Load testing of Lifting Equipment's
- ❖ Load Body, Sub frame & Crane Sub Parts
- ❖ Cement Conveyor Closed & Open Turf
- ❖ R.O.P.S. & Front Axle for Tractors

## Hydraulic Division

- ❖ Hydraulic Power Packs
- ❖ Hydraulic Cylinders
- ❖ Hydraulic Presses
- ❖ Hydraulic Test Rings
- ❖ Hydraulic Scissor Lifts
- ❖ ST 52 Grade Honed Tube
- ❖ CK 45 grade Hard chrome Plated Rods

## Unit - III

- ❖ Our Plastic Injection Molding



# Mission Statement



- Cost effective solutions
- Continuous improvement in quality, technology and work processes.
- Customers to view us as an important ally in their business.
- Challenging and rewarding work environment.

# Chennai

3 Manufacturing units



**Polyfit**

- Manufacturing Hub
- Availability of Skilled Workforce
- Chennai is well connected by Sea •Road •Rail •Airways
- Surplus uninterrupted power supply
- Excellent Infrastructure facilities
- Automotive Hub

# Our Certifications

- ISO 9001:2015
- IATF 16949
- ISO 14001:2015




## CERTIFICATE

The Certification Body  
of TÜV SÜD Management Service GmbH  
certifies that

**M/s. Polyfit Fabricators Pvt Ltd**  
No.3-B (NP), Sidco Industrial Estate, Ambattur  
Chennai - 600098, Tamil Nadu  
India

has established and applies  
a Quality Management System for

**Manufacture of High Pressure Hose End fittings,  
Hose Assemblies, Turned Components,  
Tube & Pipe Bending Assemblies with Brazing**  
(without Product Design as per Chapter 6.3)

An audit was performed and has furnished proof  
that the requirements according to

**IATF 16949**  
First Edition 2016-10-01

are fulfilled.

Issue date: 2021-07-16  
Expiry date: 2024-07-15

Certificate Registration No.: 12 111 50867 TMS  
IATF Certificate No.: 0411357

  
 Head of Certification Body  
 Munich, 2021-07-23  
 Page 1 of 1

TÜV SÜD Management Service GmbH • Am Altenwall 1 • D-85354 München • Germany  
www.tuev-sud.com | tsv@tuev-sud.com






## CERTIFICATE

The Certification Body  
of TÜV SÜD South Asia Private Limited  
certifies that

**M/s. Polyfit Fabricators Pvt Ltd**  
No.3-B (NP), Sidco Industrial Estate, Ambattur  
Chennai - 600 098, Tamil Nadu, INDIA

has implemented Quality Management System  
in accordance with ISO 9001:2015  
for the scope of

**Manufacture of End Fittings for  
High Pressure Hoses, Turned Components including  
Pipe Bending Components for Automotive Applications**

The certificate is valid from 2021-07-16 until 2024-07-15  
subject to successful completion of annual surveillance audits.  
The present status of this Certificate can be obtained on [my.tuev-sud.com](http://my.tuev-sud.com).  
Further verification regarding the scope of this Certificate may be obtained by contacting the certification body.

Certificate Registration No. 99 100 20064  
Date of Initial certification: 2018-07-23  
Issue Date: 2021-07-23 Rev. 00

  
 Head of Certification Body  
 at TÜV SÜD South Asia Private Limited, Mumbai  
 Member of TÜV SÜD Group





TÜV SÜD South Asia Pvt. Ltd. • TÜV SÜD House • Sakinaka • Sector 29 • Gurgaon • Haryana • INDIA • 122002 • Tel: +91 122 411 1111 • www.tuev-sud.com





## CERTIFICATE

This is to Certify that

**Environmental Management System**  
of

**M/S POLYFIT FABRICATORS PVT LTD**  
NO. 3-B, SIDCO INDUSTRIAL ESTATE, AMBATTUR, CHENNAI - 600098,  
TAMILNADU, INDIA

has been independently assessed by DBS  
and is compliant with the requirement of:

**ISO 14001:2015**  
For the following scope of activities:

*MANUFACTURE OF END FITTINGS FOR HIGH PRESSURE HOSES ASSEMBLIES,  
TURNED COMPONENTS INCLUDING PIPE BENDING, COMPONENTS FOR AUTOMOTIVE  
APPLICATIONS & FABRICATIONS OF SS & MS COMPONENTS.*

Certificate Number: E-205021122306

Date of Certification:	23rd December 2021
1 <sup>st</sup> Surveillance Audit Date:	22nd December 2022
2 <sup>nd</sup> Surveillance Audit Date:	22nd December 2023
Certificate Expiry:	22nd December 2024

This Certificate is property of DBS Certifications and remains valid  
subject to satisfactory surveillance audits.

  
 Head of Certification





This certificate remains the property of DBS Certifications Private Limited, unless otherwise stated upon request.

DBS CERTIFICATIONS PVT. LTD.

No. 101 Post, Anand Enclave, Sector Vihar, Delhi-11002, (INDIA) [info@dbscertifications.com](mailto:info@dbscertifications.com) | [www.dbscertifications.com](http://www.dbscertifications.com)

ACCREDITED BY:  
International Accreditation Service (IAS) 6800, Saylor Street Suite 100, Boca Raton FL 33433, United States of America

# UNIT - I



# CNC Pipe / Tube Bending



5 AXIS 3 STACK  
6mm – 25mm



5 AXIS 3 STACK  
6mm - 38mm

## ***Our Pipe Bending Production Capacities - Sizes & Material***

CNC : 8 machines

NC : 2 machines

Up to 5 Axis

6mm to 120mm



3 AXIS SINGLE STACK  
15mm - 65mm



5 AXIS 3 STACK  
20mm - 102 mm

## **We Predominantly Use :**

Material : Carbon Steel & Stainless Steel

Bending Capacity : 6mm to 120mm

# Laser Cutting Machine



3 Kw Fibre

Sheet Size : 3mtr X 1.5mtr

Max Thickness SS : 10mm.

Max Thickness MS : 16mm.

Power Source : IPG- German

**Polyfit**



## Unit 1 – 24 Nos CNC Machines

## Unit 3 – 60 Nos CNC Machines



In House – 84 Machines  
Sub Contractor 4 Machines

## 5 Nos - T-Sugami Sliding Head Automate Machine



Capacity :Up to 26mm Dia

## 6 Nos VMC Machines



3 & 4 Axis Machines  
Max Bed Size : 1 mtr X 0.5 mtr X 0.5 mtr

## 3-Axis Double Column VMC Machine



Bed Size : 2 mtr X 1.5mtr X 0.8 Mtr  
Job Weight : Up to 5 Ton

# 3D CNC Wire Bending Machine



3D 5 Axis

4 to 6 mm for Stainless Steel

4 to 8 mm Carbon Steel



# Our Machine Shop

THREAD ROLLING  
MACHINE – 1No



CENTRELESS GRINDING  
MACHINE – 2 Nos



SINGLE SPINDLE MACHINES –  
10 Nos



# Our Machine Shop

MULTI SPINDLE MACHINE – 16Nos



End Forming – 6 Nos  
Up to 65 mm X 2.5 mm



# Hose & Tube Assembly Line



# Quality & Testing

CMM-Portable Arm Type ( Faro )

7 axis

Arm Length : 2.5 mtrs

Laser Line Probe With Scanner



Surface Hardness Tester





# Quality & Testing

Profile Projector



Millipore Testing Lab



# 43 Series One Piece Fittings



**STAINLESS STEEL 316L**

**ONE PIECE FITTINGS  
43 SERIES**

R1AT/R2AT/1SN/2SN/R16/2SC/R17



INDUSTRIAL



OIL & GAS



EARTH MOVING



AGRICULTURAL



FORESTRY



MINING

# Fittings

- High Pressure Ferrules
- Industrial Fitting NPT Type
- 90 degree Bend Fitting
- QRC
- Adapters
- Stand Pipe
- Female Fittings
- Elbow Fitting



# About Our Product Range

SS Braided hose



Hydraulic Hose Assemblies



Adaptors



Industrial Fittings



Composite Fittings



90 degree bend fittings



Slurry Hose



Thermoplastic hose



# About Our Product Range

Whip Check Safety Cable



Teflon Assembly



Micro Bore Hose



Hammer Union



# About Our Product Range

Silencer Tubes



Lubrication Tubes

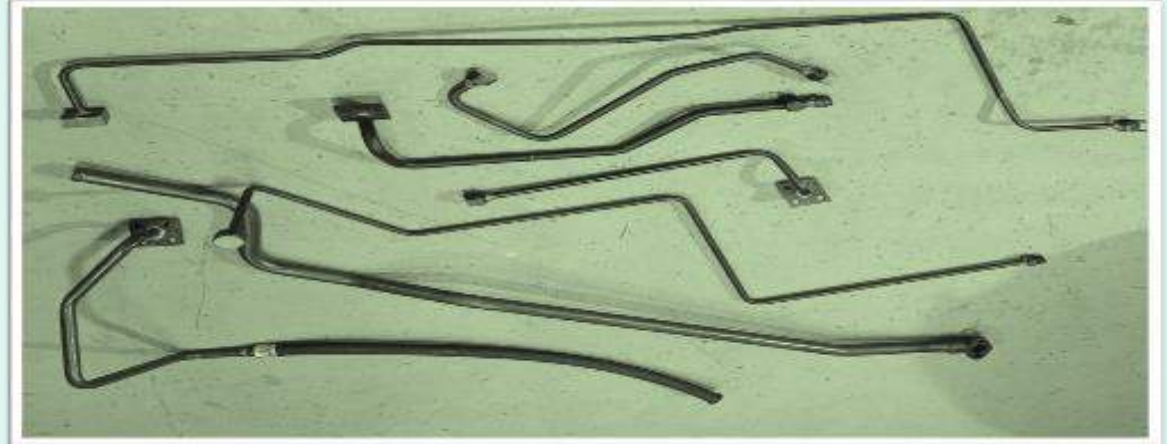


# About Our Product Range

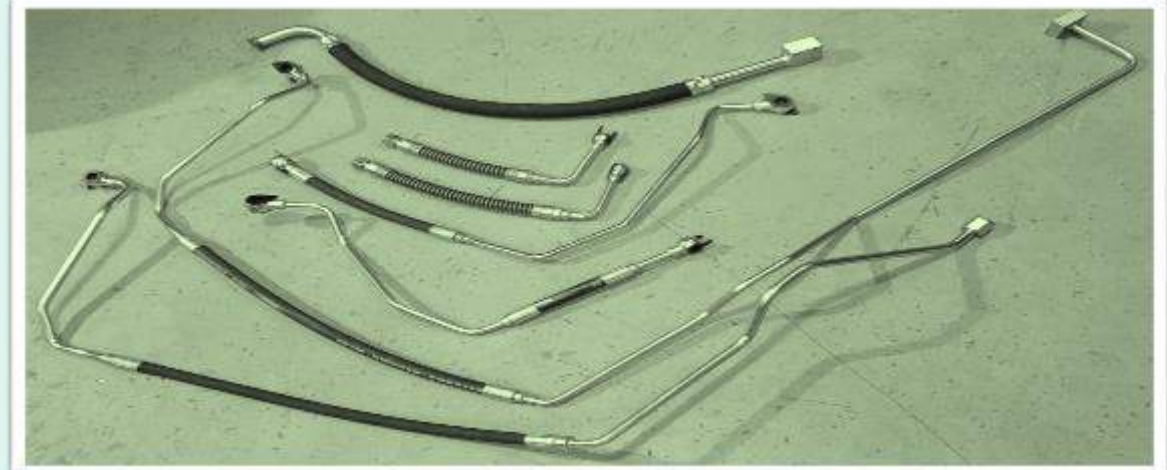
Hydraulic Tubes



Power Steering Tubes



Power Steering Tubes & Hose Assemblies



# About Our Product Range

## Control Levers

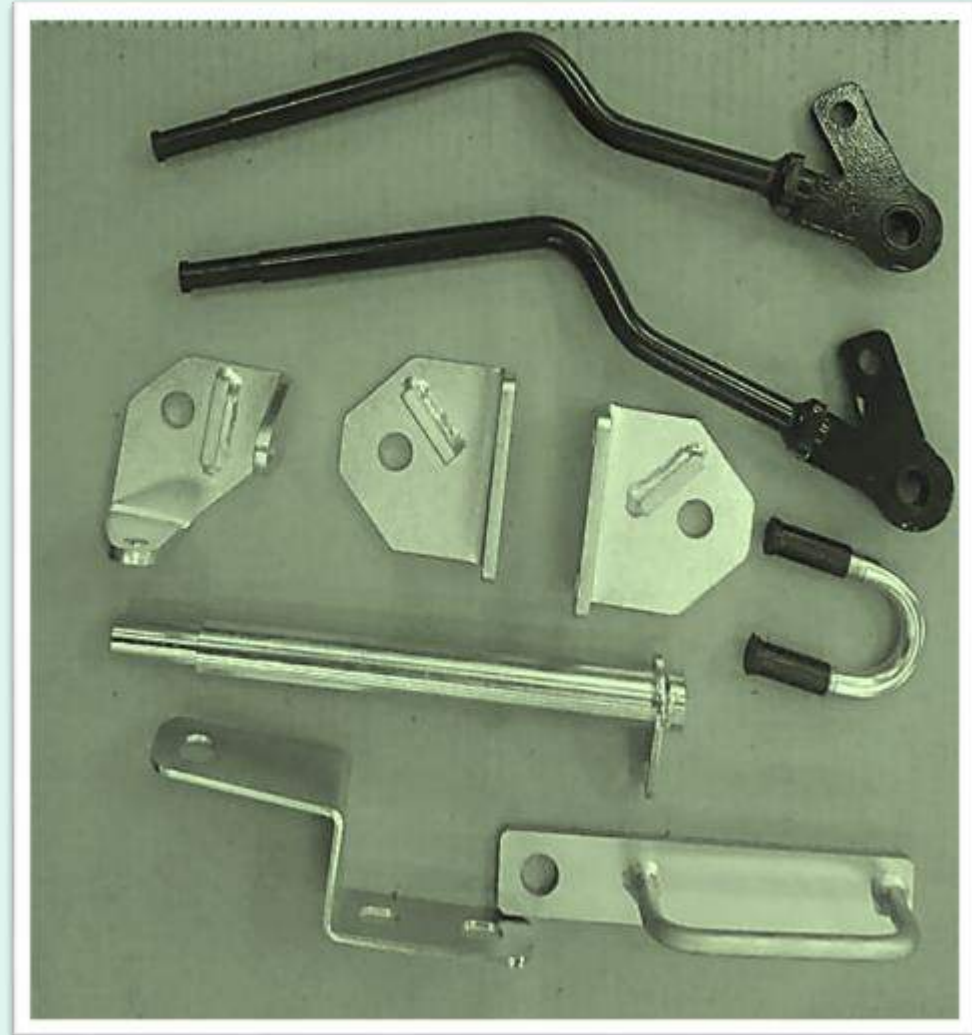


CER



# About Our Product Range

## Control Levers & Lever Products



# About Our Product Range

## BSP / NPSM Fittings



## Hydraulic Hose End Fittings

### JIC 37° & ORFS Fittings



### NPT & BSP Male Fittings



### DKOL & DKOS Metric Fittings



### Ferrules



# About Our Product Range

Instrumentation Fittings



Precision Turned Components



Water Blasting Fittings



# QRC Fittings

**TYPE A**  
*MALE CAM X F NPT*



**TYPE B**  
*FEMALE CAM X M NPT*



**TYPE C**  
*FEMALE CAM X HOSE*



**TYPE D**  
*FEMALE CAM X F NPT*



**TYPE E**  
*MALE CAM X HOSE*



**TYPE F**  
*MALE CAM X M NPT*



**TYPE DC**  
*FEMALE CAP*



**TYPE DA**  
*FEMALE CAM X MALE CAM*



**TYPE DP**  
*MALE PLUG*





Metro Rail tube



Truck Steering Bracket Support Pipe



Truck Pipe Door Guard Beam



LCV Compressor Tube



# UNIT - II



## **Fabrication Division**

- ❖ **6 G certified welder**
- ❖ **Robotic Welding M/C**
- ❖ **3 kw Fibre Laser cutting machine**
- ❖ **Plasma cutting M/C**
- ❖ **450 Ton Hydraulic Press Brake**
- ❖ **EOT Crane 10 & 15 Tone**
- ❖ **Pipe Bending M/C**
- ❖ **Heavy Duty Plate Rolling Machine (12mm X 2.5mm)**
- ❖ **CNC Double Spindle Boring M/C**

# Shop Floor





## 450 Ton Hydraulic Press Brake

Capacity : 12mm thick X 4.3mtr  
16mm thick X 3 mtr



## Shearing Machine

Capacity : 10mm thick X 4 mtr



# Robotic Welding Machine



350 Amps – MIG Welding

## Plasma Cutting Machine

Capacity : Up to 16mm thickness



## Flame Cutting Machine

Capacity : Up to 120mm thickness



# 250 Ton Mechanical Press



# 250 & 30 Ton Hydraulic Press



# CNC Double Spindle Boring Machine



Front Axle Assembly



R.O.P.S. Assembly





Spooling Machine



Hose Coiling Machine



Spooling Machine  
Small Size



Horizontal Hose Coiler



Crane Mounted On Chassis



R.O.P.S. & Front Axle  
Assy With Tractor



Blade Supporting Tool For Windmill



Hose Coiler S.P.M



Hose Conveyor



# **For SIEMENS GAMESA**

**\* CONTAINER FOR TRAINEE**

**\* HUB TRANSPORTATION TOOL (Logistics Tool-nacelle-GP 279764 R2)**



Nacelle Unloading Tool



Blade Lifting Tool 37 Mtrs Long



Turning Hub Tool



Spreader Beam



Hub Tilting Tool Assy



# HYDRAULIC DIVISION

- ❖ Hydraulic Power Packs
- ❖ Hydraulic Cylinders
- ❖ Hydraulic Presses
- ❖ Hydraulic Test Rings
- ❖ Hydraulic Scissor Lifts
- ❖ ST 52 Grade Honed Tube
- ❖ CK 45 grade Hard chrome Plated Rods

Hydraulic Power Packs



Compact Power Pack with Round Tank

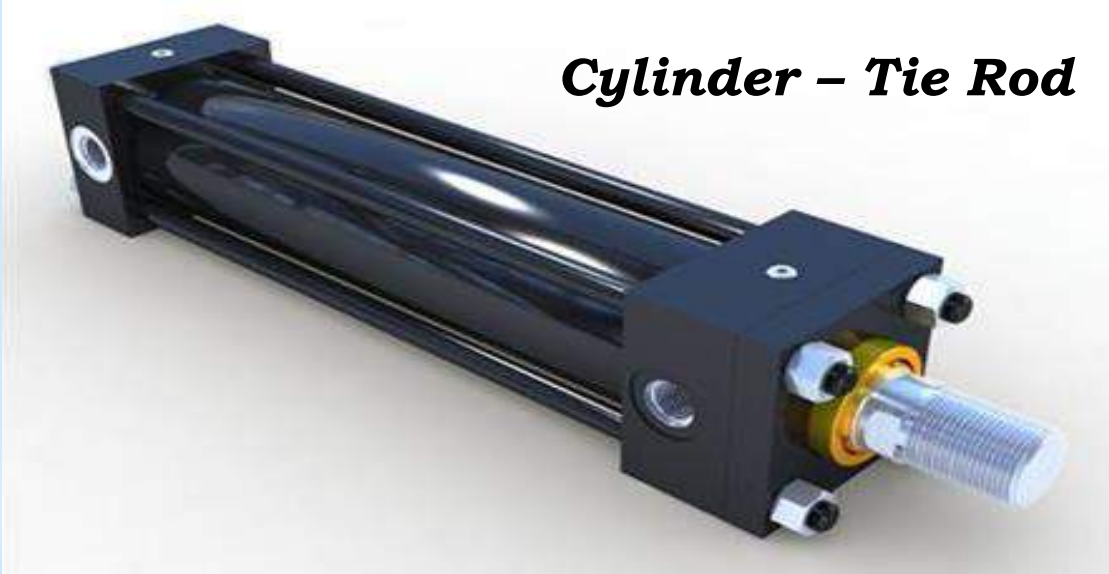


Hydraulic Power Packs Cylinder with Accumulator



## Hydraulic Cylinders

**Cylinder – Tie Rod**



*Hydraulic Cylinders-Welded Design*



*Hydraulic Cylinder-Bolted Design*



Assembly Press



Hydraulic Four Column Press



H Frame Press



C Frame Press



Hydraulic Test Rig



Automobile Oil Pump Test Rig



Hydraulic Test Bench

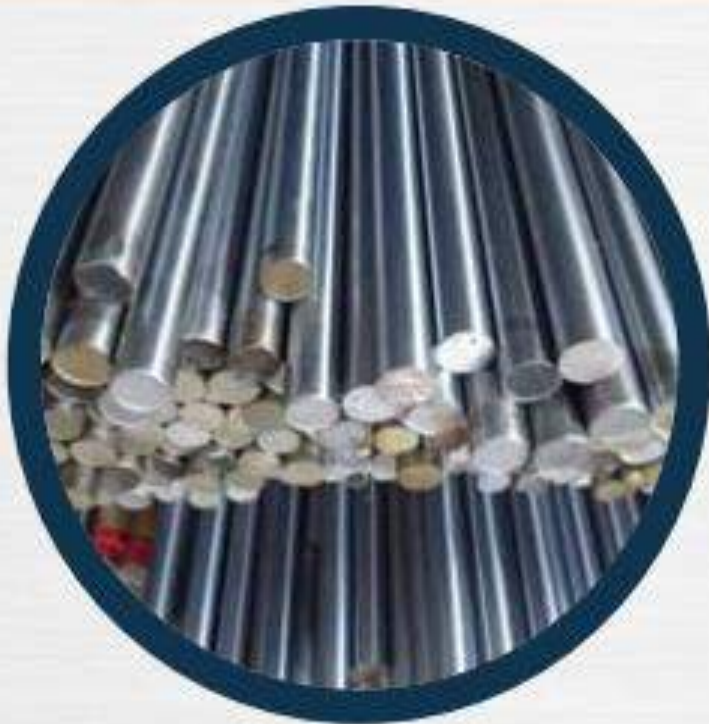


Hydraulic Scissors Lift





## CHROME PLATED RODS



- ▶ Material : C45 / CK45
- ▶ Size start from  $\varnothing$  20mm upto 200mm

## HONED TUBES



- ▶ Material : ST52
- ▶ Size start from ID 40mm upto 250mm

# UNIT – III

## PLASTIC INJECTION MOLDING DIVISION







# Our Prestigious Customers



# Our Prestigious Customers



# Our Prestigious Automobile Customers



**ASHOK LEYLAND**

**Polyhose**<sup>®</sup>

Providing Flexible Solutions Globally



**WABCO**

**Polyfit**



# Our Prestigious Wind Mill Customers



# GOVERNMENT AND PUBLIC SECTOR CUSTOMERS



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड  
Nuclear Power Corporation of India Limited



The logo for Polyfit, featuring the word "Polyfit" in a bold, blue, sans-serif font. The letters "o" and "y" are lowercase, while "P", "l", "i", "f", and "t" are uppercase. The logo is underlined with a thin blue line.

# Polyfit

THANK YOU!

## CONTACT US

**Polyfit Fabricators Pvt Ltd**

**No. 3B - N.P. SIDCO Industrial Estate,  
Ambattur , Chennai-98.**

**Mobile : +919551697151 , +91 9551697110, +91 9500052025**

**e-mail : [info@polyfit.co.in](mailto:info@polyfit.co.in) , [cb@polyfit.co.in](mailto:cb@polyfit.co.in), [cehydraulics@polyfit.co.in](mailto:cehydraulics@polyfit.co.in)**

