



**HI-TEST LAB**   
MECHANICAL TESTING LABORATORY

# COMPANY PROFILE 2021



Management System  
ISO 9001:2015  
www.tuv.com  
ID 9105055685



[www.hitestlab.com](http://www.hitestlab.com)



# THE COMPANY

***Established in 2004, Pt. Hi-Test as known Hi-Testlab stands tall as a one of the foremost material testing laboratories in Indonesia.***

Hi-Testlab processes and services are maintained to the internationally accepted ISO 17025 standards.

Hi-Testlab currently has more than a thousand customers using its services.

In an increasingly competitive playground, the brand is a key player and has carved a distinguished niche for itself in the industry for consistency in quality, reliability, individualised service and quick turnaround time.

From a small space operation with five employees, to a company with labs in two cities in Indonesia - Batam and BSD (City near by Jakarta), and a sum of 75 employees, the company has grown in leaps.

Today, the brand offers a wide array of services in the field of Mechanical, Chemical, Metallurgical and Corrosion testing of Metals and Welds, testing of Offshore, Pipe Line, Pressure Vessels, CRA Pipe, Wind Farm, Ship Yard Industries, Refinery, Bridge and Building construction.

Our mechanical laboratory carries out a wide variety of Tensile, Bending, Charpy Impact, CTOD, Macro Examination, Micro Examination, Through Thickness Tensile, Hardness Tests, etc according to the most widely used ISO, Australian Standards and ASTM Standards. Our in-house machine shop prepares the specimens for all mechanical tests which makes short lead times possible. Scroll down to find a full overview of the mechanical destructive tests our laboratory carries out and feel free to contact us if you have any questions.





# OUR COMPANY VALUE



Hi-Testlab has always been committed to maintaining and improving the quality in providing testing services.



Hi-Testlab has always been committed to maintaining services standards the meet ISO 17025:2017, ISO 9001:2015 and ISO 45001:2018



Hi-Testlab is determined to meet all customer requirements and maintain a quality management system and always strive to improve sustainable.



# ABOUT OUR COMPANY

*We are extremely pleased to introduce ourselves as an **Independent Testing Lab in Indonesia (Batam)** having the facility for Chemical, Mechanical, Metallography and Corrosion testing of metals and alloys. PT. Hi-Test (Hi-Testlab) processes and services are maintained to the internationally accepted ISO 17025:2017 standards.*

Hi-Testlab is well equipped with high technology equipments with new generation test machine and is being managed by technically qualified, well experinced and competent personals.

Committed to Stringent quality measures and standards Hi-Testlab is providing Accurate and Consistent results to the Costumer.

Ours success will be based on ethics, morality and no compromise in quality. We have been committed to higher level of accuracy and cost effectiveness with more personable services.

Hi-Testlab has focus based approach for all its activities and services and maintains an unbiased professionalism through its core values-honesty, integrity, consistency and reliability with Strict Confidentially.

Hi-testlab services undertakes material testing as per international standards and spesifications as defined by ASTM, ISO, AS, SNI and others. Testing can also be done as per client-supplied specification.





# COMPANY VISION & MISSION



## OUR VISION

- Hi-Testlab becomes the leading and provider of testing services.
- Make Hi-Testlab able to compete with International testing services in terms of trust
- Make Hi-Testlab maintain the testing business by updating the speed of advanced equipment.



## OUR MISSION

- Hi-Testlab makes quality testing work so as to satisfy customer. Make Hi-Testlab the fastest and most accurate testing service provider
- Hi-Testlab maintains the quality of making test samples and conducts testing with procedures in accordance with Standard International.



## OUR MESSAGE

- Hi-Testlab is always open and willing to receive feedback from costumers and work together to improve its service to smooth a project in terms of speed, delivery and test results report.





# COMPANY FACILITIES & SERVICES

*Hi-Testlab has testing equipment facilities from a well-known brand with its high precision and accuracy. Equipment uses an automatic system equipped with computer-based software. So that the test can be carried out quickly and a high level of accusation and precision. Equipment is supported by ease to operate in order to reduce the level of error of the operator.*

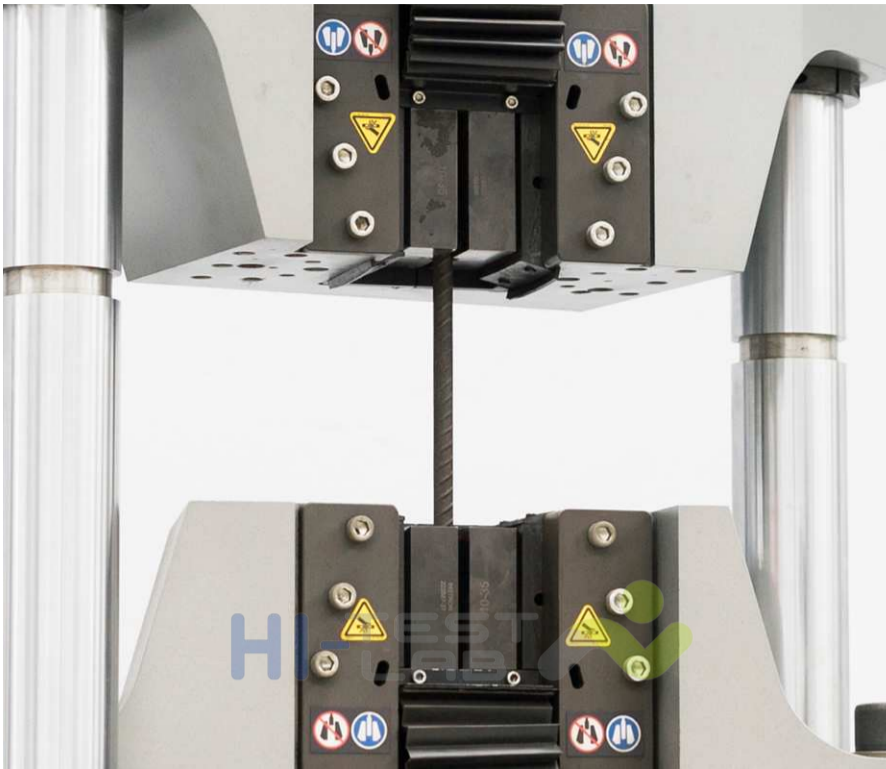
**HI-TESTLAB HAS FACILITIES WITH 2 TESTING ROOMS.**



**ROOM A**



**ROOM B**

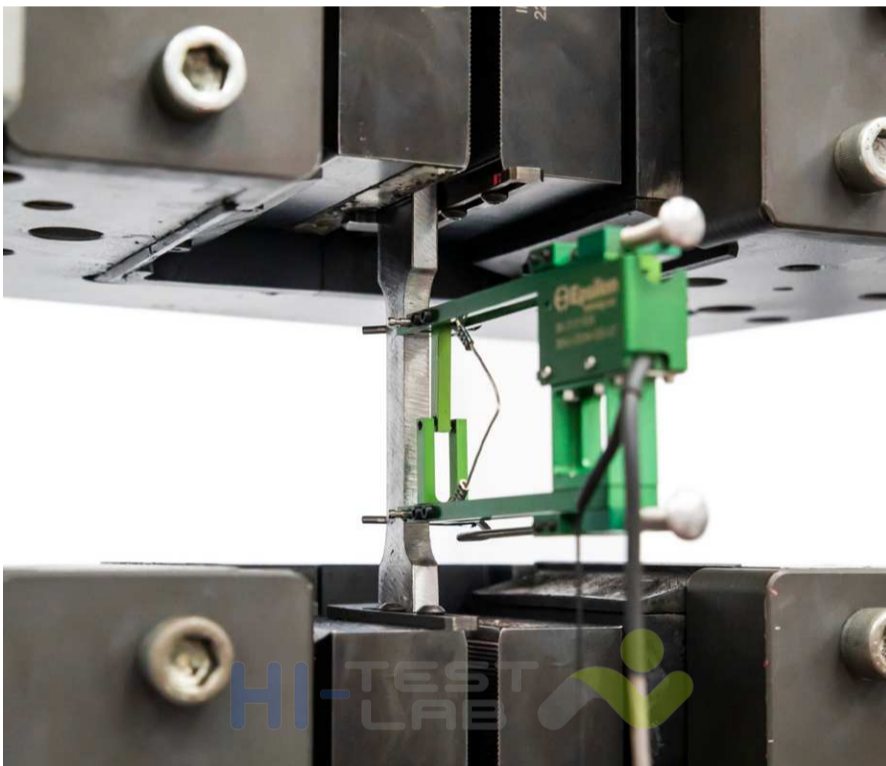


## Tensile Rebar

ASTM A1034/A1034M - 10a(2015)

Standard Test Methods for Testing Mechanical Splices for Steel Reinforcing Bars.

SNI 8389-2017



## Tensile Test (Flat Specimen)

ASTM A370 -20

Standard Test Methods and Definitions for Mechanical Testing of Steel Products.



## Tensile Test (Round Specimen)

ASTM A370 -20

Standard Test Methods and Definitions for Mechanical Testing of Steel Products.

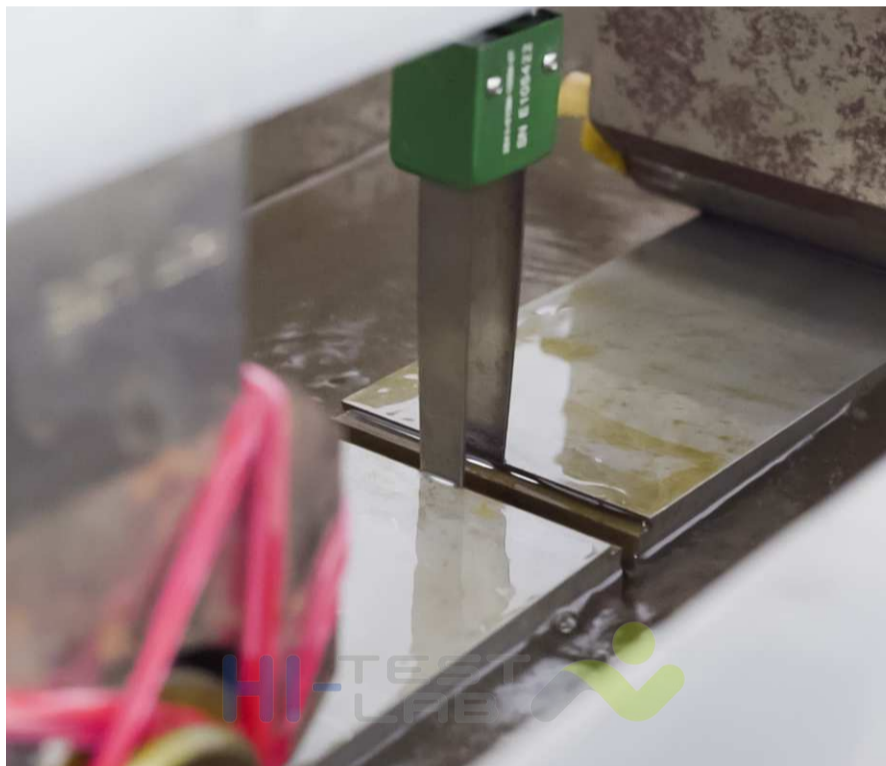




## Tensile Test (Weld Joint)

AWS D1.1 : 2020 Structural Welding - Steel

ASME IX : 2019 Qualification Standard for Welding and Brazing Procedure, Welder, Brazers and Welding and Brazing Operator.



## Fracture Toughness Test (-10° C and 0°C)

BS EN ISO 15653:2018

Metallic materials - Method of test for the determination of quasistatic fracture toughness of weld.

ISO 12135:2016

Metallic materials - Unified method of test for the determination of quasistatic fracture toughness.

BS EN 7448-1-1996

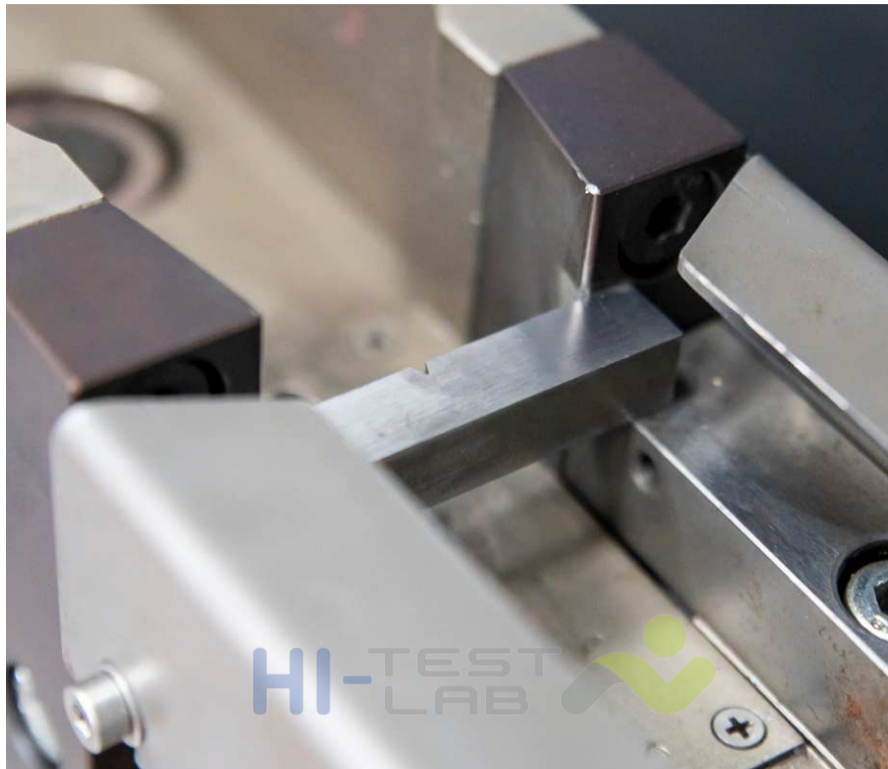
BS-7448-1 Fracture mechanics toughness tests. Method for determination of  $K_{Ic}$ , Critical CTOD and critical J values of metallic materials



## Pre Crack CTOD

CTOD is tested using advanced machines and software





## Charpy Impact Test

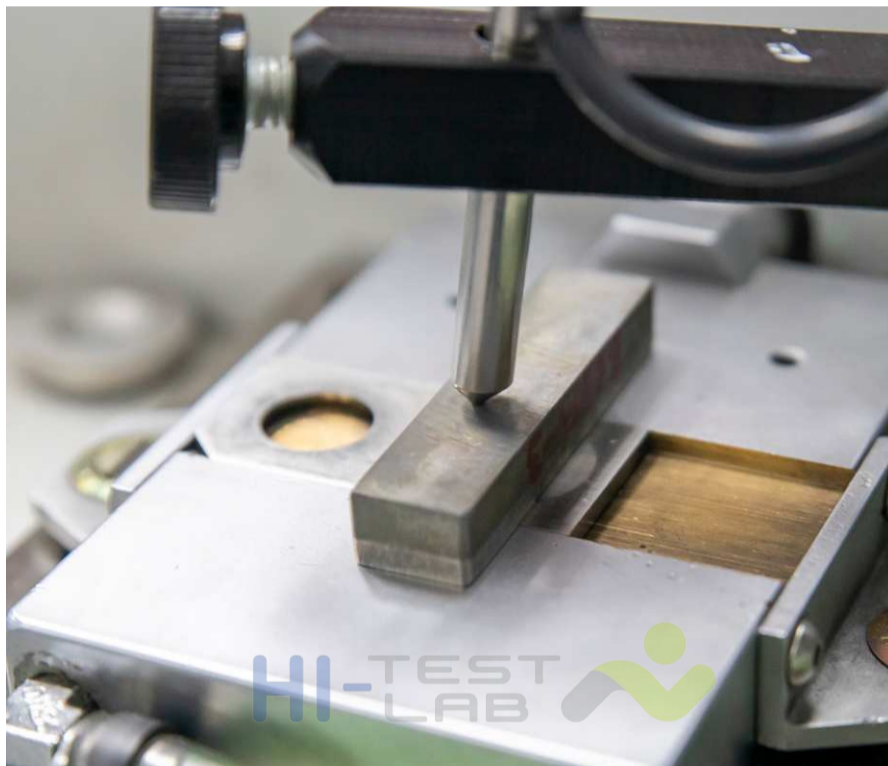
(Range Ambient to  $-196^{\circ}\text{C}$ )

ASTM E23-18

Standard Test Methods for Notched Bar Impact Testing of Metallic Materials.

BS EN ISO 148-1-2016

Metallic Materials. Charpy pendulum impact test Test Method



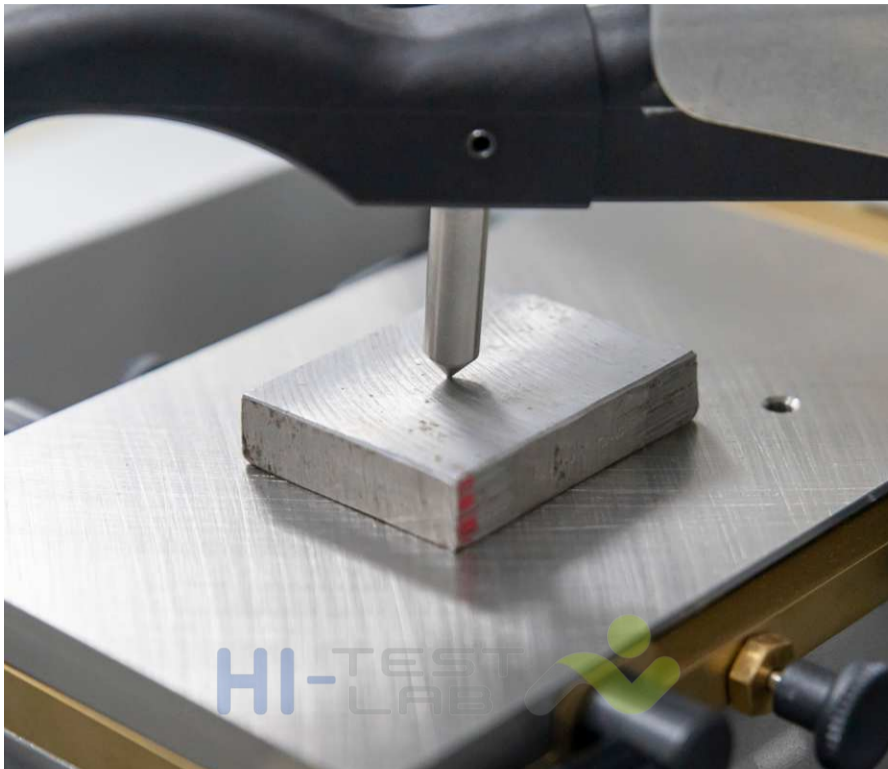
## Determination of Metal Composition the Carbon Steel Low Alloy Steel

ASTM E415-17



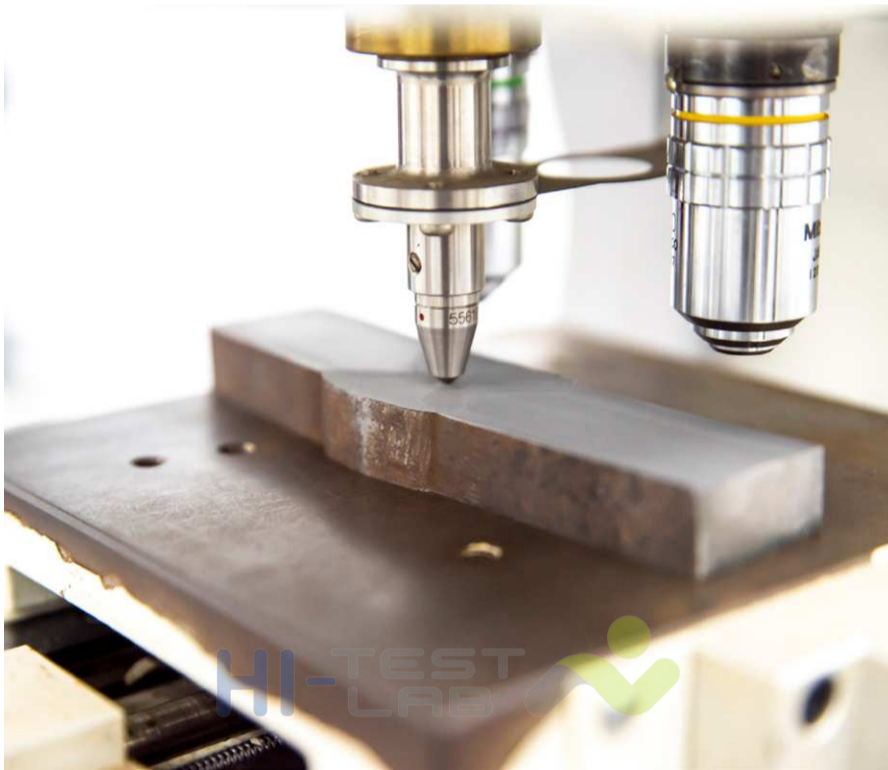
## Determination of Metal Composition the Cooper and Alloy

ASTM E478-08 (Reapproved 2017)



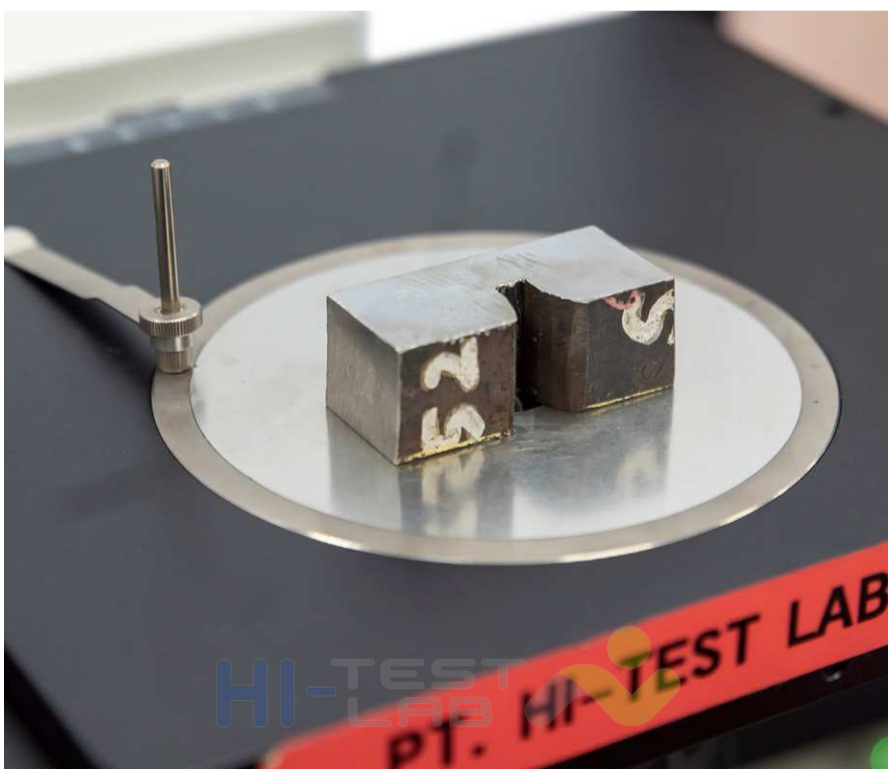
## Determination of Metal Composition the Stainless Steel and High Alloy Steel

ASTM E3047-16



## Hardness Vickers (HV10 and HV5)

ASTM E92-2017



## Micro Structure and Grain Size

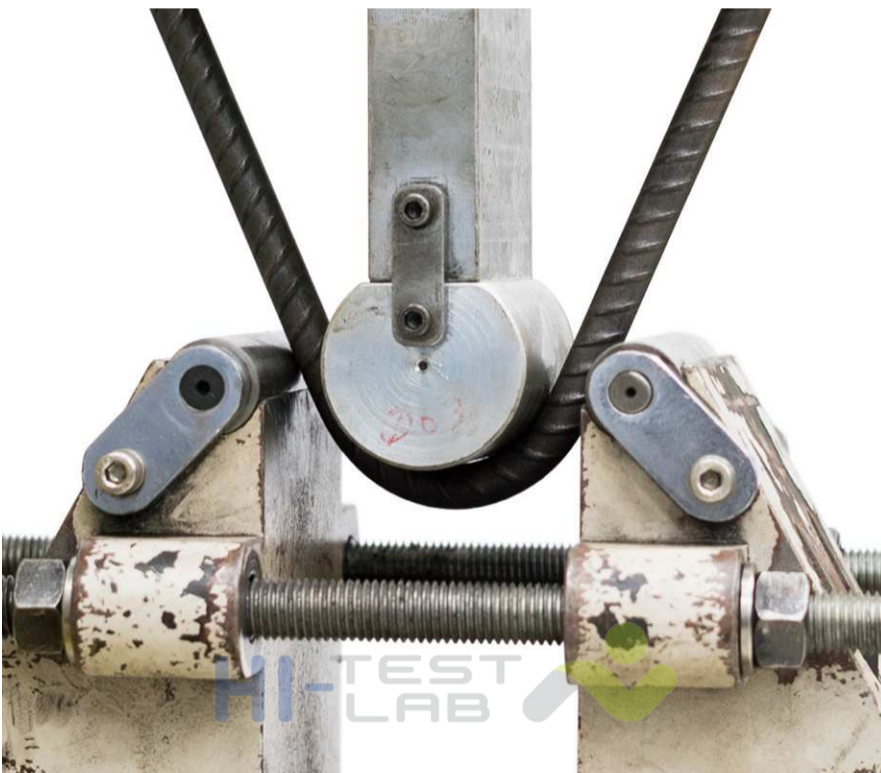
ASTM E407-07





## Rockwell Hardness Test

ASTM E18-2020

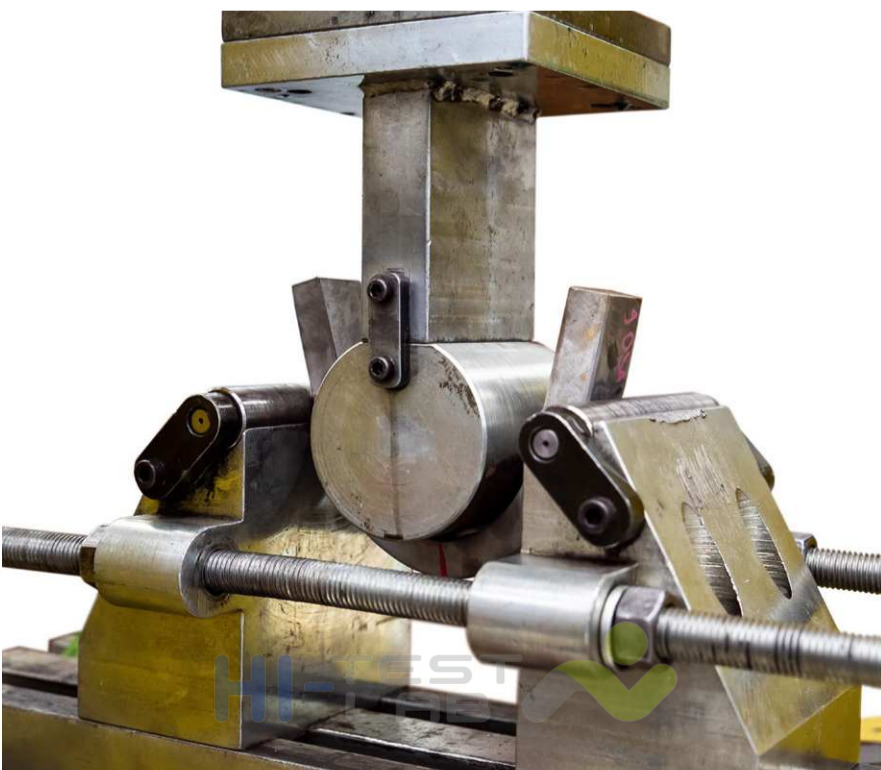


## Rebar Bending

ASTM E290-14

AWS D1.1 : 2020 Structural Welding - Steel

ASME IX : 2019 Qualification Standard for Welding and Brazing Procedure, Welder, Brazers and Welding and Brazing Operator.



## 3 Point Bend

ASTM E290-14

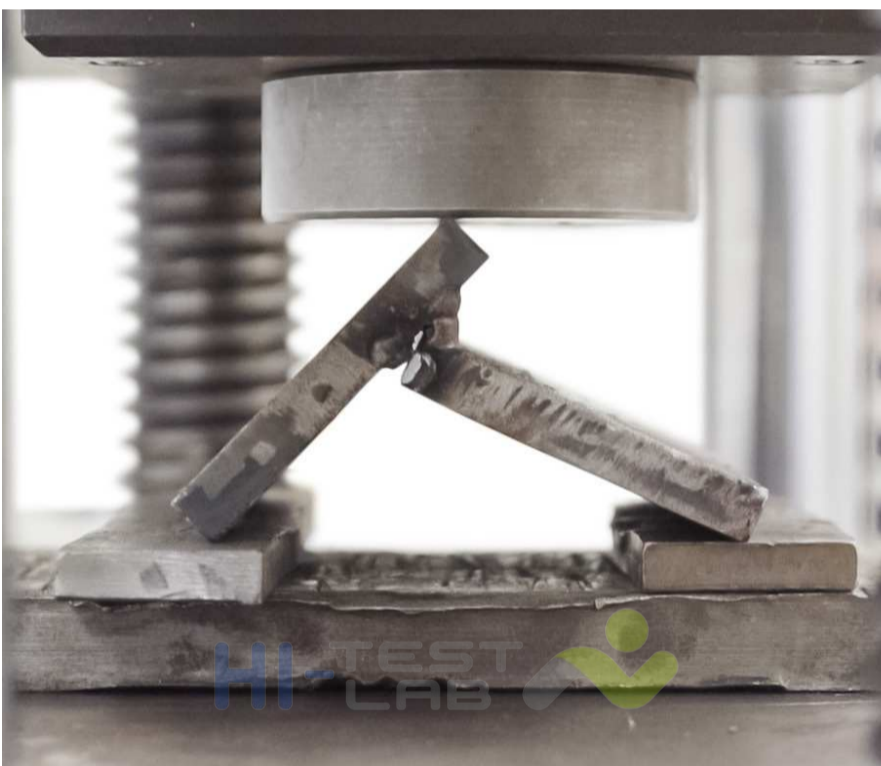
AWS D1.1 : 2020 Structural Welding - Steel

ASME IX : 2019 Qualification Standard for Welding and Brazing Procedure, Welder, Brazers and Welding and Brazing Operator.



## Roller Bending Test

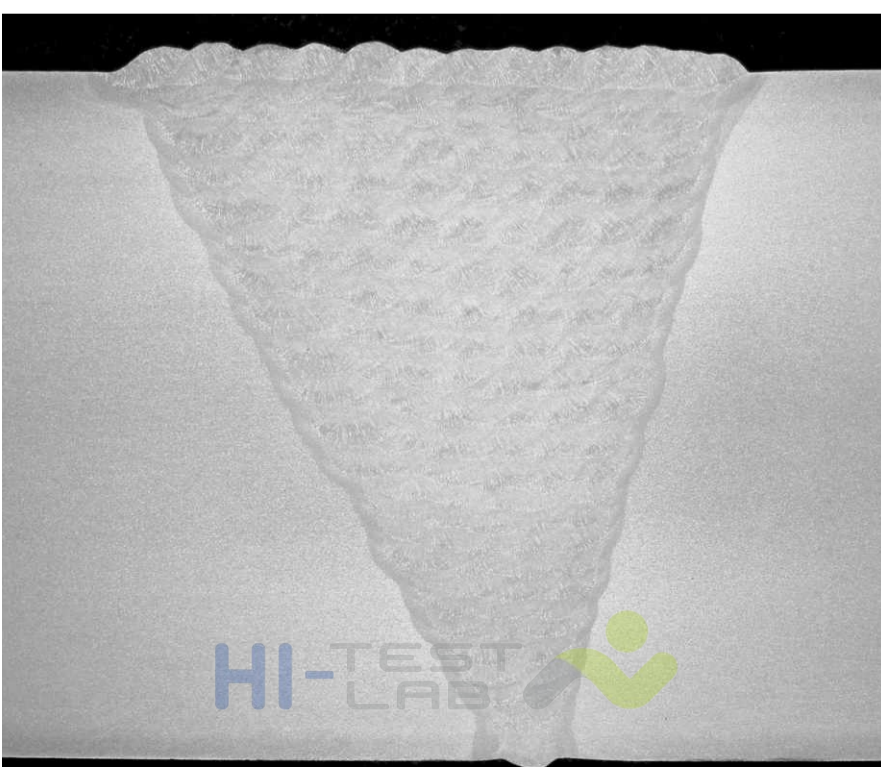
Bending testing for welding with different materials and for aluminum bending test



## Fillet Weld Break/Fracture Test

AWS B4.DM : 2016

Standard methods for mechanical testing



## Macro Examination (Weld Joint Carbon Steel)

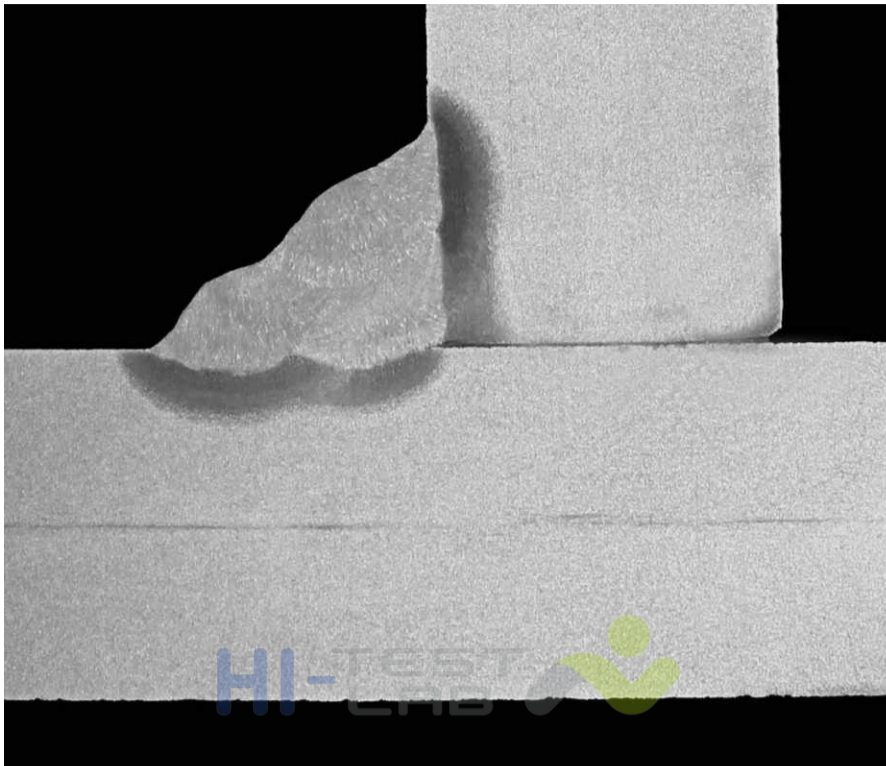
ASTM E340-2015

**Standard Practice for Microetching Metals and Alloys** These procedures describe the methods of macroetching metals and alloys to reveal their macrostructure.

BS EN ISO 17639:2013

Destructive tests on welds in metallic materials. Macroscopic and microcospic examiantion welds





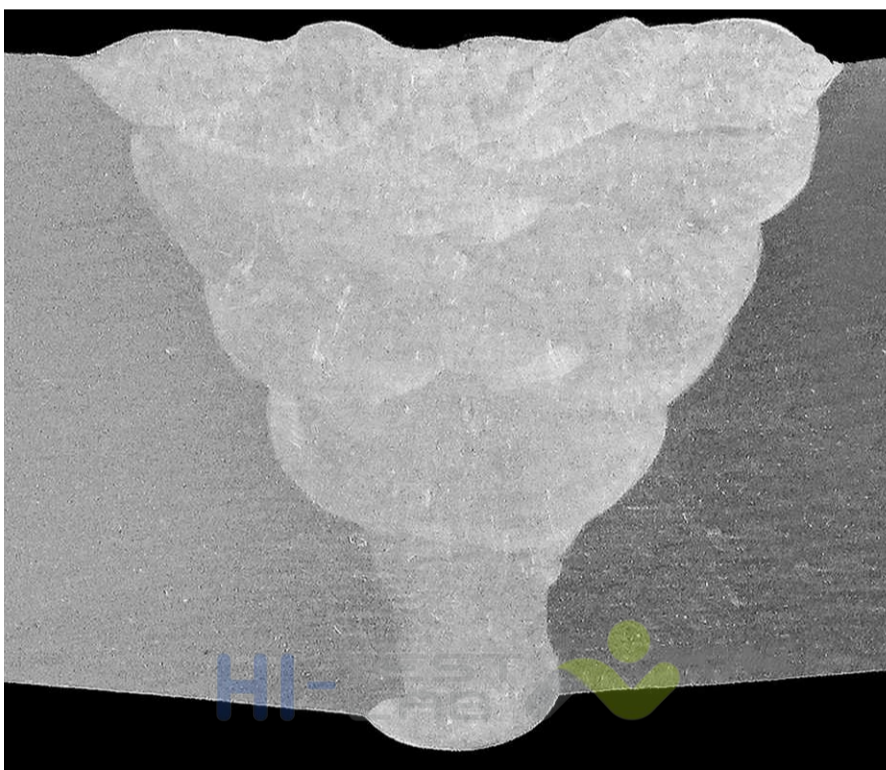
## Macro Examination (Fillet Weld)

ASTM E340-2015

**Standard Practice for Microetching Metals and Alloys** These procedures describe the methods of macroetching metals and alloys to reveal their macrostructure.

BS EN ISO 17639:2013

Destructive tests on welds in metallic materials. Macroscopic and microscopic examination of welds



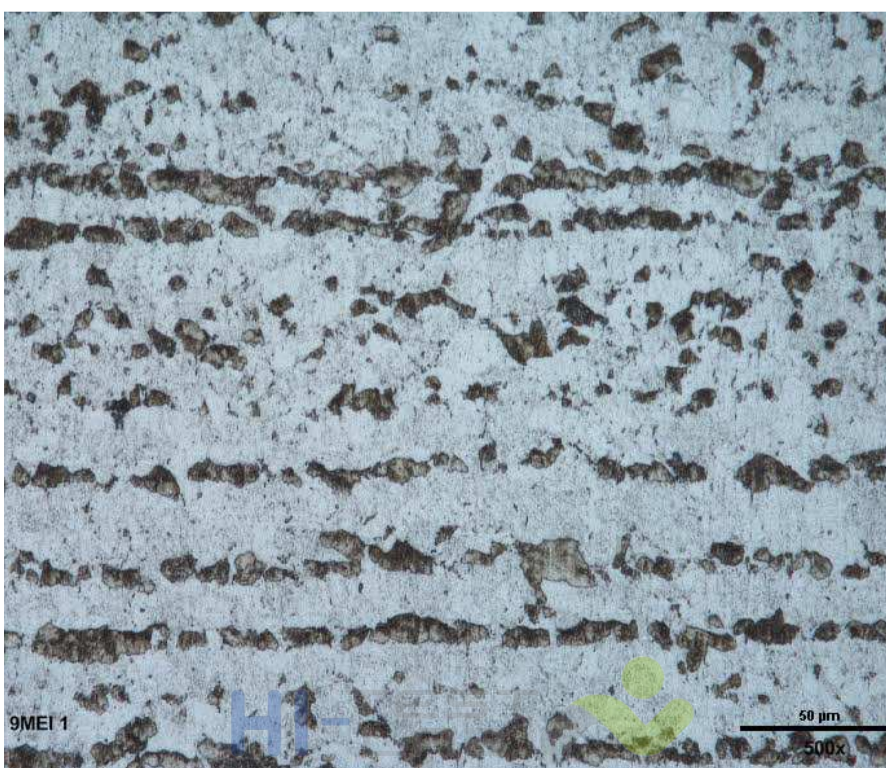
## Macro Examination (Weld Joint Stainless Steel)

ASTM E340-2015

**Standard Practice for Microetching Metals and Alloys** These procedures describe the methods of macroetching metals and alloys to reveal their macrostructure.

BS EN ISO 17639:2013

Destructive tests on welds in metallic materials. Macroscopic and microscopic examination of welds

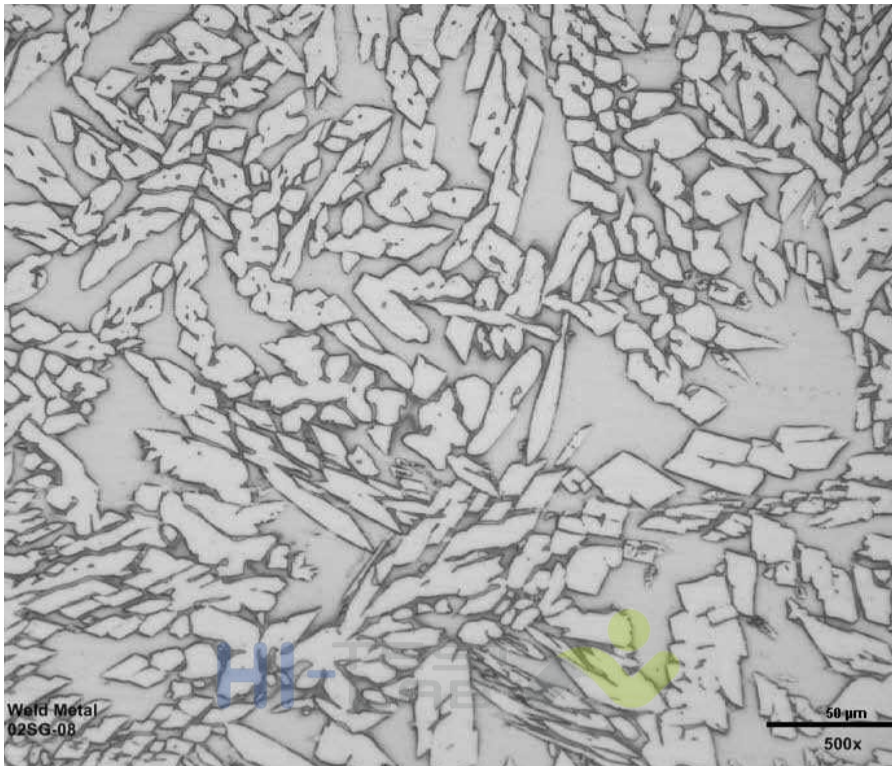


## Structure Micro and Micro Etch

ASTM E407-07

**Standard Practice for Microetching Metals and Alloys** for more corrosion resistant alloys.





## Determining Volume Fracture by Systematic Manual Point Count

ASTM E562-19

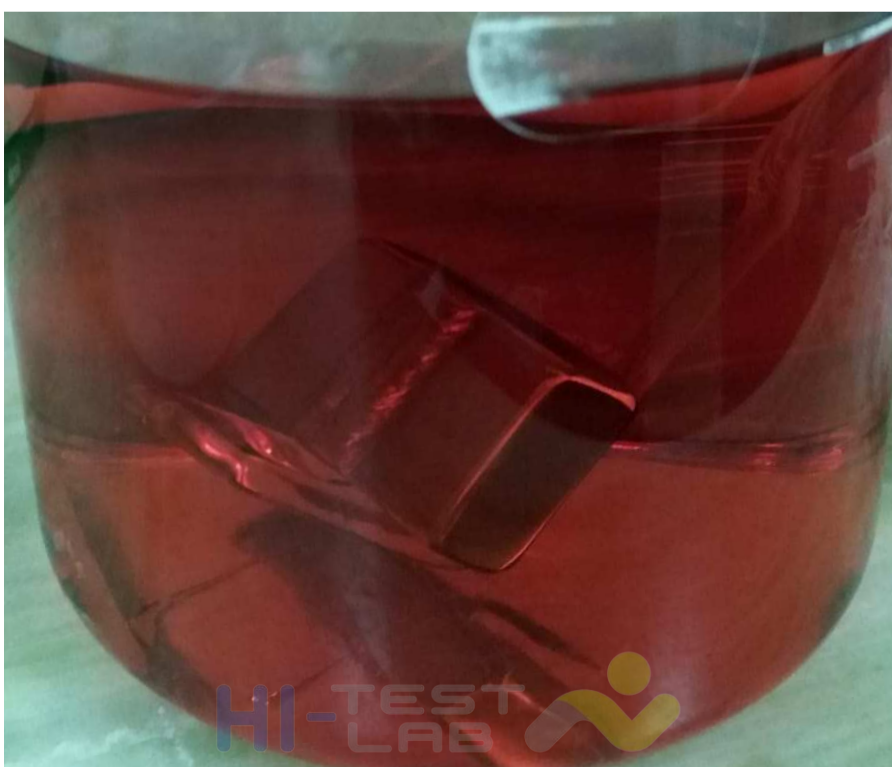
Standard Test Method for Determining Volume Fraction by Systematic Manual Point Count.



## Intergranular Corrosion

ASTM G28-2002

Standard Test Methods for Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys.



## Pitting Corrosion

ASTM G48-2011

Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution





# WHY CHOOSE US?



Hi-Testlab provide testing services with advanced equipment and experienced and trained testers.



With Hi-Testlab's advanced equipment that can produce high levels of precision and accuracy testing results, the test value can be guaranteed



Hi-Testlab always and continuously improve and always maintain its equipment and technicians continuously.



Hi-Testlab can serve fast testing and delivery as customers wish supported by sufficient resources.





# HOW IS IT!

## THE PROCESS

## OUR SERVICES



### COSTUMERS INQUIRY

- Costumers send requests by email  
Describes the form and type of sample and the type of testing needed and its standard of reference
- Hi-Testlab will provided quotation
- If approved the costumer issues a work order or purchase order and send the specimens to the lab



### WORK PROCESS

Hi-Testlab will perform sample preparation work in accordance with testing standards.



### TEST CONDUCTING

Hi-Testlab will conduct testing at an agreed time. Hi-Testlab provides online witnessing and customers are also present during testing in the testing room.



### TESTING REPORT

After testing is all completed, Hi-Testlab will issue a test certificate and immediately send it to the customer.



# OUR CERTIFICATES



# SERTIFIKAT AKREDITASI

LP-422-IDN

Dibetapkan tanggal : 4 Oktober 2021

Berlaku hingga : 6 Agustus 2026

Diberikan kepada

## PT Hi Test

di

### Century Park Block F No. 6-7 Batam, Kepulauan Riau

yang telah menunjukkan kompetensinya sebagai

#### LABORATORIUM PENGUJI

dengan menerapkan secara konsisten

### Komite Akreditasi Nasional

SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)

#### Persyaratan Umum Untuk Kompetensi Laboratorium Pengujian dan Laboratorium Kalibrasi

untuk ruang lingkup seperti dalam lampiran

#### KOMITE AKREDITASI NASIONAL

**Drs. KUKUH S. ACHMAD, M.Sc**  
KETUA

Dokumen ini telah ditandatangani secara elektronik menggunakan Sertifikat Elektronik yang diterbitkan BSSrE

Sertifikat ini memberikan hak kepada laboratorium untuk menggunakan tanda akreditasi pada sertifikat/laporan yang diterbitkan, kop surat, iklan, dan tujuan promosi lainnya sesuai ketentuan yang berlaku. Sertifikat ini tidak boleh direproduksi sebagian, kecuali secara keseluruhan, tanpa izin tertulis dari Komite Akreditasi Nasional.



# Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 096618**

Certificate Holder: **PT Hi-Test Laboratory of Mechanical Testing**  
Head Office and Batam Laboratory Facility:  
Century Park, Block F No. 6-7, Batam Centre,  
Batam 29461 - Indonesia

Scope: Laboratory Testing Services, including of Mechanical Testing, Chemical Composition Determination, Corrosion Test and Metallurgy for Metal, Metal and Alloys, and Welded Joint

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

Validity: The certificate is valid from 2019-07-30 until 2022-07-29.

2019-07-30

TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln

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# Annex to certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 096618**

No.	Location	Scope
/01	PT Hi-Test Laboratory of Mechanical Testing Head Office and Batam Laboratory Facility: Century Park, Block F No. 6-7, Batam Centre, Batam 29461 - Indonesia	Laboratory Testing Services, including of Mechanical Testing, Chemical Composition Determination, Corrosion Testing and Metallugraphy For Metal, Metal and Alloy, and Welded Joint
/02	PT Hi-Test Laboratory of Mechanical Testing Tangerang Laboratory Facility: Taman Tekno, Block A2 No. 49, Bumi Serpong Damai, Serpong, Tangerang - Indonesia	Laboratory Testing Services, including of Mechanical Testing, Chemical Composition Determination, Corrosion Test and Metallugraphy for Metal, Metal and Alloys, and Welded Joint

2019-07-30

TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln

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# Certificate of Compliance

This is to recognize that:

**PT. HI-TEST**

Century Park, Block F No.6-7,  
Batam Centre, Batam 29461,  
Indonesia.

Has been audited and found to meet the requirements of Standard  
**ISO 45001:2018 Occupational Health & Safety Management System**

**Scope of certification**

Providing of laboratory testing services, including of mechanical testing,  
chemical composition determination, corrosion testing and metallography  
for metal, metal and alloy, and welded joint.

Certificate Number  
**ID01032000036**  
Certificate Initial Date  
21st Sept 2020  
Surveillance Year 1 before  
20th Sept 2021  
Surveillance Year 2 before  
20th Sept 2022  
Certification Period until  
20th Sept 2023

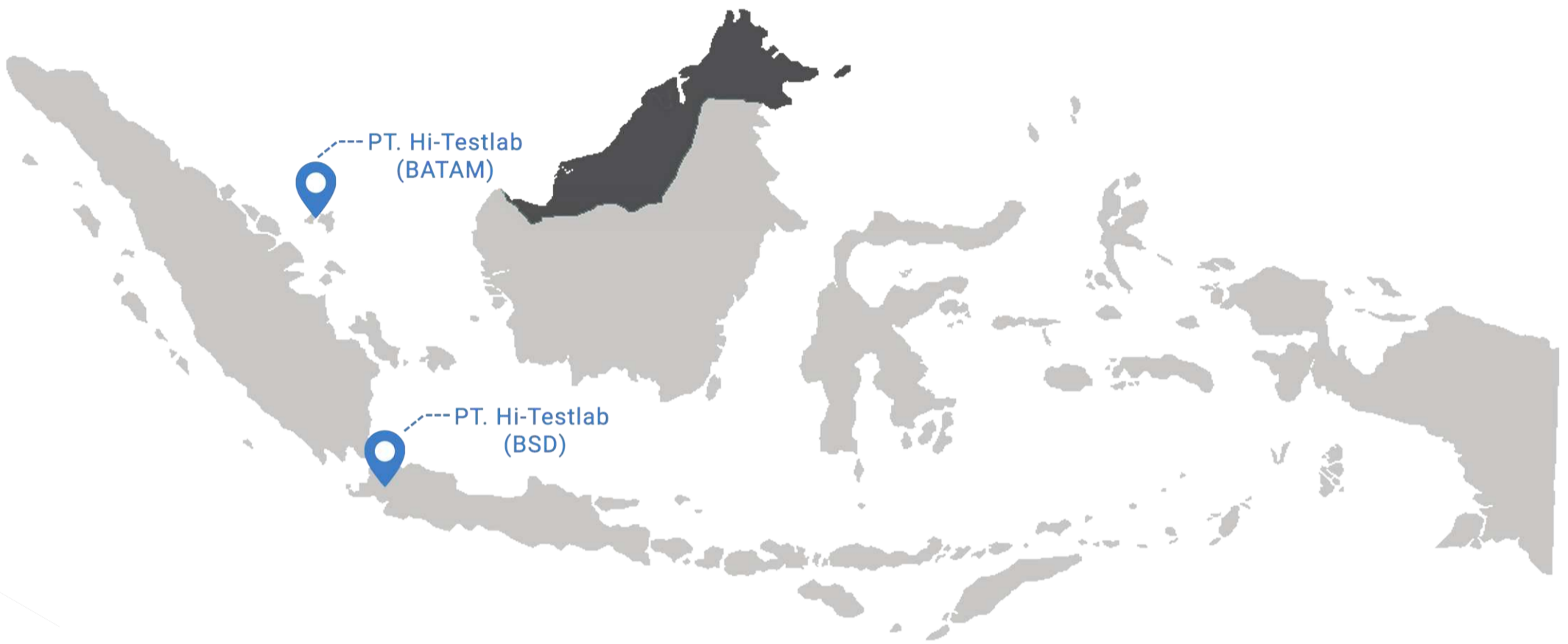
  
Authorized Signatory







# OUR LOCATION



HI-TEST  
LAB



# OUR CUSTOMERS

PT. Apecs Offshore  
PT. Essar Offshore Subsea Limited  
PT. Nippon Steel Engineering Corporation  
PT. Saipem Singapore Pte Ltd  
PT. Swiber Offshore  
PT. Ozzielink Pte Ltd  
PT. Active Marine Industries  
PT. Agung Ing Raya  
PT. Aker Solutions  
PT. Alam Lestari Unggul  
PT. Alfa Erajaya Persada  
PT. Amnor Shipyard  
PT. Annawa Marine Engineering  
PT. Aneka Kreasi Logam  
PT. Angkur Mulia Engineering  
PT. Asia Foundry & Engineering  
PT. Asl Shipyard Indonesia  
PT. Astoria Bangun Perkasa  
PT. Astajaya Nirwighnata  
PT. Bahtera Bahari Shipyard  
PT. Balindo Citra Perdana  
PT. Bandar Victory Shipyard  
PT. Bandar Abadi Shipyard  
PT. Bangun Adyabahan Perkasa  
PT. Barata Indonesia  
PT. Batam Expresindo Shipyard  
PT. Batam Marina Shipyard  
PT. Batamagraha Kurnia  
PT. Batamec Shipyard  
PT. Beta Engineering  
PT. BH Marine & Offshore Engineering  
PT. Bredero Shaw  
PT. Britoil Offshore Indonesia  
PT. Bumi Laut Perkasa  
PT. Celup Raya  
PT. Cemara Intan Shipyard  
PT. Citra Tubindo Engineering  
PT. Cladteck Bi-Metal Manufacturing  
PT. Delta Shipyard  
PT. Dian Citra Utama Batam  
PT. Drydocks World Graha  
PT. Drydocks World Pertama  
PT. Drydocks World Graha  
PT. Dua Utama Jaya  
PT. Dwi Sumber Arca Waja  
PT. Dynasty International  
PT. Edaran Profab  
PT. Expert Engineering  
PT. Gamma Buana Persada  
PT. Gearindo Prakarsa Engineering  
PT. Glm Batam Shipyard  
PT. Global Process Systems  
PT. Great Dynamic Indonesia  
PT. Gunanusa Utama Fabricator  
PT. Hansa Engineering Indonesia  
PT. Heat Exchangers Indonesia  
PT. Herfin Jaya  
PT. Hidroflex Indonesia  
PT. Hrp Service Asia  
PT. H-tech Oilfield Equipment  
PT. Indo Kaya Energy  
PT. Indojoya Pipe  
PT. Inwha Indonesia  
PT. James Product  
PT. Jasa Marine Engineering  
PT. Jaya Asiatic Shipyard  
PT. Karya Sempurna Abadi  
PT. Karya Teknik Utama  
PT. Kmc Oiltools  
PT. Korindo Heavy Industry  
PT. Laju Sukses Mandiri  
PT. Mandiri Gifha Nusantara  
PT. Marcopolo Shipyard  
PT. Marinatama Gemanusa  
PT. Mc Connel DOWELL SERVICES  
PT. McDermott Indonesia  
PT. Megaron Semesta  
PT. Meindo Elang Indah  
PT. Mitra Galperti  
PT. Mmc Metal Fabrication  
PT. Multi Fabrindo Gemilang  
PT. Naninda Mutiara Shipyard  
PT. Nexus Engineering Indonesia  
PT. Ninda Pratama Vriesindo  
PT. Nippon Steel Batam  
PT. NISCONI  
PT. Nongsa Jaya Buana  
PT. Ocean Pile Mandiri  
PT. Pacific Atlantic Shipyard  
PT. Palindo Marine  
PT. Palma Progress Shipyard  
PT. Pan United  
PT. Panbatam Island Shipyard  
PT. Patra Fabrikasi  
PT. Pelayaran Mitra Kaltim Samudra  
PT. Penguin Shipyard  
PT. Perkasa Heavysindo Engineering  
PT. Perkasa Melati  
PT. Petrosea Indonesia  
PT. Petrus Indonesia  
PT. Plumbang Raya  
PT. Powertech  
PT. Production Testers Indonesia  
PT. Profab Indonesia  
PT. Purna Bina Nusa  
PT. Radian Utama Interinsco  
PT. Rotary Engineering Indonesia  
PT. Roteq  
PT. Saipem Indonesia Karimun Brach  
PT. South Pioneer Indonesia  
PT. Star Kembar Persada  
PT. Sukses Bahari Nusantara  
PT. Surya Besindo Sakti  
PT. Surya Prima Bahtera  
PT. Synco Synergy  
PT. Tech Marine Utama  
PT. Technic Offshore Jaya  
PT. Telaga Mas Mulia  
PT. Timas Suplindo  
PT. Tjokro Bersaudara  
PT. Toyo Kanetsu Indonesia  
PT. Tpc Pan Asia  
PT. Trakindo Utama  
PT. Transalino Eka Persada  
PT. Trikarya Alam  
PT. Twc Bintang  
PT. United Sindo Perkasa  
PT. Urawa Rekayasa Mandiri  
PT. Usda Seroja Jaya  
PT. Useng Teknologi Utama  
PT. Viking Engineering  
PT. Vista Maritim Indonesia  
PT. VME Process  
PT. Waru Tekniktama  
PT. Wasco Engineering Indonesia  
PT. Wilmar Nabati Indonesia  
PT. Wisma Sarana Teknik  
PT. WWE South East Asia





# OUR PROJECT EXPERIENCE



## PT. ASL SHIPYARD INDONESIA

- SARKU SANTUBONG
- KARTERIA
- CASTORO OTTO
- SEMAC/1 BSR 3046
- BULLY 1 & 2
- POSH BANGKA
- GIANT 2
- KOTUG 32M
- CADE ASPRO
- GAS SUMATERA
- KAKAP NATUNA
- NORTHERN SUPPLY



## PT. CLADTEK BI METAL MANUFACTURING

- GORGON UPSTREAM (GE OIL & GAS)
- DAMAR-A-PLATFORM TOPSIDE
- TENARIS GLOBAL SERVICE SA
- ARAMCO
- BARZAN
- SAIPEM-WASIT ARABIAH & HASBAH OFFSHORE AND ONSHORE FACILITIES
- STATEOIL
- ARABIAH & HASBAH OFFSHORE AND ONSHORE FACILITIES
- HARWEL TRANSITION PROJECT
- TECHNIP TEN PROJECT
- MATINDOK GAS DEVELOPMENT PROJECT
- UZ750 - ISLAND SURFACE FACILITIES PROJECT (EPC 2)
- STAR TREC PROJECT
- SAUDI ARAMCO WASIT GAS PROGRAM
- GALPERTI FOR TECHNIP
- PETROBRAS FPSOS P-75/P-77 PIPING FABRICATION
- YEATGUN FIELD DEVELOPMENT PROJECT
- GAS MODULAR SKID - SAUDI ARAMCO
- D6255 ARAMCO LTA OFFSHORE FACILITIES PROJECT
- HASBAH OFFSHORE GAS FACILITIES INCREMENT II
- ANJUNG GAS DEVELOPMENT
- IDOHO BP - QIT CRA PIPELINE REPLACEMENT
- PERTAMINA GUNDIH PROJECT
- MERO PROJECT



## PT. CITRA TUBINDO ENGINEERING

- MACETOR SKID PACKAGE
- FMC SHIPPING SKID FOR DAEWOO
- SAGAR SAMRAT CONVERSION PROJECT
- ANOA PHASE 4 PROJECT
- GAS COMPRESSOR UNIT
- P221-FABRICATIONFRO GAS METERING SYSTEM AT GRISSIK
- CUSTODY TRANSFER METRING SYSTEM
- SUPPLY AND FABRICATION OF 2 KILL LINE SECTION
- FABRICATION SCRUBBER BOTTLE JANGKRIK COMPLEX PROJECT
- BLADE PROJECT



## PT. GUNANUSA UTAMA FABRICATORS

- BONGKOT
- ONGC
- HESS
- YADANA SUBSIDENCE
- SISINUBI 2B & PECIKO 7B



## PT. GLOBAL PROCESS SYSTEMS

- T.E.N DEVELOPMENT PROJECT - LP GAS COMPRESSOR
- VARANUS ISLAND COPRESSION PROJECT





## PT. MEINDO ELANG INDAH

- SISI NUBI 2
- SISI NUBI 2
- RUBY FIELD - PEARL OIL
- TATUN WELLCON PACK.A
- SISI NUBI WELLCON
- SOUTH MAHAKAM DEVELOPMENT PROJECT PAHSE 3

- BEKAPAI
- BUKIT TUA



## PT. MCDERMOTT INDONESIA

- ICHTHYS URF EPCI PROJECT
- PCML PCIC KEPODANG GAS DEVELOPMENT
- YAMAL PROJECT
- SAUDI ARAMCO
- R3458 WOODSIDE-GWF2
- R3454 RELIANCE

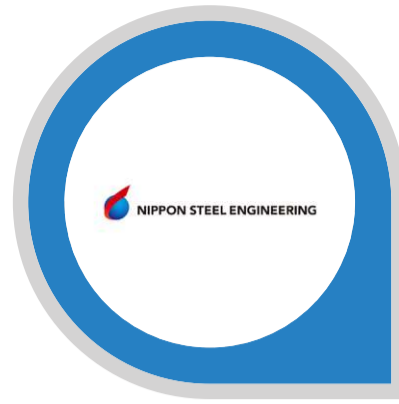
- R3412 GORGON
- BULLHANINE - QATAR PETROLEUM
- QATAR GAS
- TYRA PROJECT
- NFPS PROJECT
- NFE PROJECT
- SHWE PROJECT

- ONGC PROJECT
- BP TORTUE PROJECT



## PT. MCCONNELL DOWEL SERVICE

- WHEATSTONE LNG PLANT



## PT. NIPPON STEEL BATAM

- YETAGUN BOOSTER COMPRESSION
- GAJAH BARU
- PSVM FPSO MODEC
- SOUTH MAHAKAM FIELD DEV. PROJECT PHASE 1 & 2
- TAN BURRUP PROJECT



## PT. PROFAB INDONESIA

- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"><li>• JOORBAER FPSO (TOPSIDE)</li><li>• NAGA &amp; PELIKAN</li><li>• FPSO CICADE DE MARGARATIBA MV-24</li><li>• LAMSON-EXTERNAL TURRET PRODUCTION SYSTEM</li><li>• CASTILLA - PRODUCT WATER PACKAGE</li><li>• URFACE WELL TEST EQUIPMENT</li><li>• MID WATER ARC &amp; GRAVITY BASE</li><li>• MODEC OSX2 - PRODUCT WATER HYDROCYCLONE &amp; FLOATATION VESSEL</li><li>• STL BUOY AND PLEM</li><li>• QGC TEG DEHYDRATION UNIT</li><li>• SPREADER FRAME FOR PAPA TERA FIELD DEV. PROJECT</li><li>• GORGON PROJECT BARROW ISLAND LNG PLANT</li><li>• MRPL PHASE III REFINERY EXPANSION PROJECT</li><li>• TSB PILE ANCHORS</li></ul> | <ul style="list-style-type: none"><li>• COPI BAWAL SUBSEA DEV. PROJECT</li><li>• CHEVRON WHEATSTONE UPSTREAM VESSEL &amp; STHE</li><li>• TRIDEN AMMONIUM NITRATE DRY SECTION PRILL TOWER</li><li>• DEBUTANIZER MODULE</li><li>• D1 DEVELOPMENT</li><li>• NORTH RANKIN B - SUBSTRUCTURE</li><li>• KUMUL TOPSIDES REJUVENATION</li><li>• FPSO CICADE DE CARAGUATATUBA MV27</li><li>• ICHTHYS MOF &amp; PLJ FABRICATION</li><li>• SUBSEA STRUCTURE FOR STX GAZA FSO PROJECT</li><li>• ROY HILL ORE 1 PROJECT</li><li>• PILE GRILLAGE AND PILE TEMPLATE</li><li>• BAYU UNDAN PKASE 3</li><li>• SRU MODULE</li><li>• STL BUOY</li></ul> | <ul style="list-style-type: none"><li>• INPEX ICHTHYS PROJECT</li><li>• JUMPER FOR ICHTHYS PROEJCT</li><li>• BLOCK-A GAS DEVELOPMENT PROJECT - ACEH</li><li>• PRESSURE VESSEL FOR PERTAMINA CILACAP BLUE SKY PROJECT</li></ul> |
|--|--|--|





## PT. SMOE INDONESIA

- GAJAH BARU
- NAGA & PELIKAN
- YAMAL LNG
- TANGGUH PROJECT
- HORNSEA PROJECT
- FORMOSA PROJECT
- GALLAF PROJECT



## SAIPEM SINGAPORE PTE LTD

- TOPAZ
- CHIM SAO BLOCK 12W DEV. PROJECT
- SURIYA-B WHP
- HST FULL FIELD DEV & HSD EARLY PRODUCTION SYSTEM DEV
- GAJAH BARU PIPE LINE
- RUBY FIELD DEV. PROJECT



## PT. SAIPEM INDONESIA

- JANGKRIK COMPLEX PROJECT
- KAOMBO PROJECT
- ICHTHYS PROJECT
- TANGGUH PROJECT
- MERAKES DEVELOPMENT
- NNG PROJECT
- BP TORTURE PROJECT
- FORMOSA PROJECT



## SWIBER OFFSHORE CONSTRUCTION

- WASSANA FIELD DEVELOPMENT PROJECT
- NONG YAO FIELD DEVELOPMENT PROJECT



## PT. TOYO KANETSU INDONESIA

- BLNG TANK T-4106 EPC PROJECT
- PETRONAS LNG TRAIN 9 PROJECT



## PT. TRIPATRA

- BANYU URIP





## PT. TIMAS SUPLINDO

- TANGGUH PROEJCT
- BISON, IGUANA, AND GAJAH PUTRI DEVELOPMENT PROJECT



## PT. WASCO ENGINEERING INDONESIA

- KAOMBO E-HOUSE PROEJCT
- JANGKRIK COMPLEX PROJECT
- WARTSILA KRAKEN POWERGEN



## PT. VME PROCESS

- GHANA OCTP DEVELOPMENT PROJECT
- GAS PROCESSING MODULES
- TYRA PROJECT



# Thank You



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# OUR PROJECT CLIENT



**PetroChina**