


CSC spa

***REFERENCES AND INFORMATION***



 C.S.C. S.p.A. Schio (Vi - Italy)	<b>QUALITY SYSTEM DOCUMENT</b>	Document N°
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**Corporate Name:** C.S.C. S.p.A.

**Share capital:** Euro 1.000.000,00

**Legal and optional reserves until December 2014:** Euro 4.459.098,00

**Registered with:**

- Companies Register of Vicenza under no. IT00491490249
- R.E.A. N. 131992, pos. mecc. estero VI005814
- IVA (V.A.T.) Office of Vicenza: V.A.T. registration no. IT00491490249

**Addresses:**

Head office, offices and work-shop:

36015 Schio (Vi, I), Via Lago Maggiore, 7  
36015 Schio (Vi, I), Via Lago Maggiore, 5

Warehouses:

36015 Schio (Vi, I), Via Lago Maggiore, 11  
36015 Schio (Vi, I), Via Lago d'Idro

**Tel.:** +39 0445 575989 (no.4 lines – automatic research)  
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+39 0445 576168 (reception)


**E-mail:** info@csc-schio.com  
**Sito web:** http://www.csc-schio.com

**C.E.O.:**

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Mr F. Dalle Carbonare  
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Mr M. Scortegagna

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### **ACTIVITIES OF THE COMPANY**

All the company activities are controlled by a QA integrated system according to UNI EN ISO 9001 – UNI EN ISO 3834-2, OHSAS 18000 and UNI EN ISO 14000.

C.S.C. has personnel with II level qualification for NDT according to EN 473 / ISO 9712 and welders qualified by various national and international institutes.

The activities of the company could be summarised as follows:

- design and construction of tanks, heat exchangers, purge tanks, reactors and other products of high technological quality for the chemical, petrochemical, naval, food industries, etc.;
- study and realisation of plants and components for the aerospace industry;
- development of studies, prototypes and realisation of plants and components for the UHV research field.

**DESIGN:** in accordance with the most important national and international codes like ASME VIII div.1, EN 13345 according to P.E.D. 97/23/EC (AD2000 – Merkblatt, TEMA “C” – “R” class).  
Moreover, if necessary, we can offer calculus by the finite elements analysis method and further analysis of the results on prototype.

**MATERIALS:** austenitic, duplex and superduplex stainless steel, nickel and nickel alloys (such as inconel, incoloy, hastelloy), titanium, tantalum, zirconium, niobium, aluminium and aluminium alloys, cupronickel, aluminium bronze, copper, etc.

#### **INSPECTIONS AND**

**TEST:** pressure vessels are designed and manufactured according to P.E.D. 97/23/EC or ASME VIII div.1.  
All European notified body can be chosen by the Customer like TUEV, BV, APAVE, ecc.

**CLEANING:** the company has all the necessary equipment for carrying out any kind of surface cleaning:


- degreasing baths and spray nozzles;
- pickling and passivating plant;
- ultrasonic cleaning plant;
- demineralised water washing plant;
- ISO 6 and ISO 7 clean rooms for assembling under controlled conditions (see picture)
- Washing plant with FORANE in chamber class ISO 6;
- certification system of cleaning degree with impurity count at the microscope (used for the aerospace system)

### CLEAN ROOM



### Technical data

- Dimensions: 11.000 x 4.500 mm.
- Equipped for small welding, vacuum test and assembling

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## ULTRA-HIGH VACUUM

Our company has acquired a wide experience in the realisation of plants and components under ultra-high vacuum.

And also we are able to carry out leak tests by using helium mass-spectrometer and employing highly qualified personnel.

We have the following equipments:

- Helium mass spectrometer PFEIFFER VACUUM HLT 260 (see the picture)
- "Sniffer detector" TP 312 integrated with the mass spectrometer
- TPG261 PFEIFFER gauge controller with range 1.000 - 5.29<sup>-9</sup> mBar full range scale
- calibrated leak in the range of 10<sup>-08</sup> and 10<sup>-09</sup> mBar.lt/s.
- integrated and automated pumping unit consisting of:
  - primary vane pump, 35 m<sup>3</sup>/h
  - turbo molecular pump "ALCATEL" CFF450 TURBO with min. attainable pressure lower than 1x10<sup>-9</sup> mBar (see the picture)
- pumping unit similar to the previous one with LEYBOLD pumps (see the picture)
- pressure controller "BALZER" TPG 300 with 2 "PIRANI" heads with min. pressure 1x10<sup>-9</sup> mBar
- 3 channel paper recorders
- software integrated to the mass spectrometer HLT 260 for the memorization and the management of vacuum test by PC
- heating system for baking and hot leak testing up to 500°C.

We are specialised in the production of vacuum chambers for which we can define the cleanness cycles in order to obtain the out-gassing required by the Customer.

We are also able to study and qualify brazing procedures in U.H.V. condition.

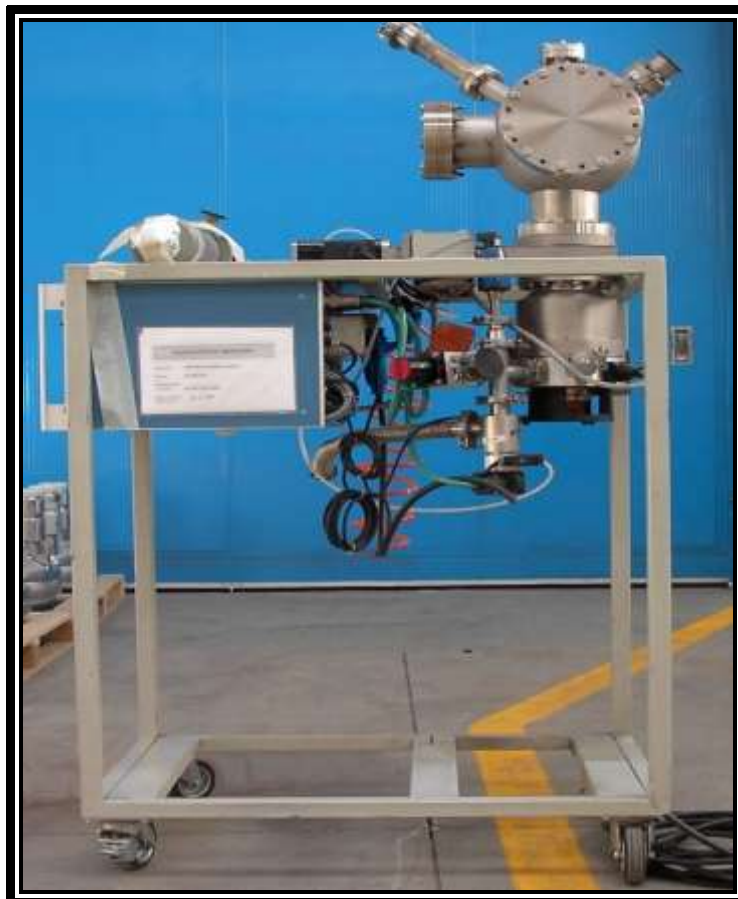
### HELIUM MASS SPECTROMETER "PFEIFFER VACUUM HLT 260"



#### Technical data

- |                      |                                   |
|----------------------|-----------------------------------|
| • Function:          | vacuum / sniffing                 |
| • Leak rate minimum: | $5 \times 10^{-12}$ mbar l/s      |
| • Leak rate maximum: | $1 \times 10^{-2}$ mbar l/s       |
| • Rotate pump:       | UNO 005 A 4 m <sup>3</sup> /h     |
| • Turbo pump:        | TMH 071 60 l/s per N <sub>2</sub> |

### PUMPING UNIT "LEYBOLD"



#### Technical data

- Primary vane pump capacity TRIVAC D16B: 28 m<sup>3</sup>/h
- Limit pressure turbomolecular pump TURBOVAC 360: 1 x 10<sup>-9</sup> mbar
- Joints: CF 100, CF 63, CF 35




**INTEGRATED PUMPING UNIT "ALCATEL CFF 450"**



**Technical data**

- Primary vane pump capacity ALCATEL 2033 SD: 30 m<sup>3</sup>/h
- Limit pressure turbomolecular pump ALCATEL CFF450: 1 x 10<sup>-9</sup> mbar
- Joints: ISO DN160, ISO K DN40



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## MEASURING AND TESTING INSTRUMENTS

- Magnetoscope orig. "Dr. FORSTER" for controlling the magnetic permeability of metals
- Set of manometers, classe 0,3 from 0 to 250 Bar
- 3D measurement machine mod. "TU/SB-2000" built by POLI with the following strokes:  
X=5.000mm Y=1.500mm Z=2.000mm (see the picture)
- 7-joints anthropomorphic measuring arm with laser probe "Nikon" MMDx100
- Set of digital sliding gauge up to a  $\varnothing$  1.000 mm.
- Inside micrometer gauge from  $\varnothing$ 75 to  $\varnothing$ 2.000
- Set of gauges type P-NP for controlling metric pipe-threads NPT-GAS-METRIC
- Portable digit profilometer
- Microscope for controlling the particles in the clean room
- Boroscope "OLYMPUS" type and video-endoscope
- Digit ammeter delicate pliers KYORITSU for controlling the welding parameters
- Hydraulic-pneumatic pump for pressure up to 500 Bar
- Hydraulic pump for pressure up to 2.500 Bar
- Set of lowstress metal stamps "NUCLEAR STAMP"
- Oilpressure pump for pressures up to 200 Bar
- Low stress automatic marking machine

### 3D MEASUREMENT MACHINE TU/SB-2000



#### Technical data


- Working stroke of axis X: 5.000 mm.
- Working stroke of axis Y: 2.000 mm.
- Working stroke of axis Z: 1.500 mm.
- Limit of machine error (L in mt):  $E_3=(50+20 \times L) \mu\text{m}$
- Utilization as plotter with a display for dimension
- Utilization as dimensional test machine connected to a PC with dedicated software

## ANTHROPOMORPHIC ARM MEASURING SYSTEM "NIKON METROLOGY"



### Technical data

- Articulated antropomorphic arm: 7 joints with infinite rotation MCAx2.5
- NIKON laser probe: MMDx 100
- Feeler pins: dia 15 mm., 6mm. and 3mm.
- Measurement field: 2,5 mt. spheric
- Measurement precision: lower than 10 $\mu$ m steady
- Report of measured data: test report with chromatic mapping of deviations and infinite measurement possibility on the measured model
- Report format: excel

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## LIST OF MACHINES AND TOOLS

- No.1 waterjet plant with 5 axis, dimensions 3.000x7.000 h 750 mm. (see the picture)
- No.1 plasma cutting plant mod. MODULA SOLID1-3070 PLASMA - Termal-Dynamics UC400 generator
- No.1 shearing machine "ILMA" type ILCC 17/30
- No.1 4-rolls calender 3.000x22 mm. (see the picture)
- No.1 3-rolls calender 1.500x50 mm. (see the picture)
- No.1 calender 2.000x6 mm.
- No.1 bending press, capacity 320 tons x 4,5 m. with laser control on bended angle (see the picture)
- No.1 "oil-pneumatic" press, capacity 500 tons, bench dim. 1.000x1.200 cm. (see the picture)
- No.1 shearing cutter machine, 8 mm.
- No.1 cold-chisel, 13 mm.
- No.2 section benders
- No.1 horizontal tube bending machine
- No.2 pulsed TIG and MIG process automatic welding machines (see the picture)
- No.1 MIG automatic welding machine (see the picture)
- No.1 PAW process automatic welding machine (see the picture)
- Microtig welding machine
- 400A hot wire TIG welding plant
- ESAB Submerged arc welding system
- Resistance welding equipment controlled by PC
- No.2 TIG "ESAB" - "CEBORA" welding machines
- No.9 "KEMPI" - "ESAB" - "MIGATRONIC" welding machines for pulsed TIG, pulsed MIG and electrode welding
- No.1 orbital welding head for tube/tube sheet and tube/tube welding (see the picture)
- No.3 orbital welding head tube/tube range of welding 17,1 ÷ 101,6 (see the picture)
- No.3 welding machines for MIG pulsed-arc process
- No.9 welding positioners up to 25 tons and working diameters up to 3.800 mm. (see the picture)
- No.3 furnaces for electrodes
- No.2 equipped rooms for welding in atmosphere of inert gas with the following dimension 1.200x1.200 h 1.160 mm. and 870x470xH=570 mm.
- No.1 belt saw mod. RUSCH 444A
- No.1 belt saw mod. RUSCH 555A
- No.1 belt saw mod. RUSCH 600A PLUS

### WATERJET PLANT WITH 5 AXIS MODULA 3 SOLID AWJ-1T



#### Technical data

- Working stroke of axis X: 7.000 mm.
- Working stroke of axis Y: 3.000 mm.
- Working stroke of axis Z: 750 mm.
- Rotation of axis A:  $\pm 350^\circ$
- Rotation of axis B:  $\pm 45^\circ$
- Working pressure: 4.150 bar
- Software: CAD CAM 3D

**PLASMA CUTTING PLANT MOD. MODULA SOLID1 - 3070 PLASMA -  
THERMAL - DYNAMICS UC400GENERATORE**



**Technical data**

- Jig table with working stroke: 3.000 x 7.000 z=250 mm.
- Suction bench: 3.000 x 7.000 with supports
- Thermal-dynamics plasma cutting head: (q.ty no.1 automatic)
- Thermal-dynamics plasma source: UC 400 (q.ty no.1)

### OLEODINAMIC CALENDER WITH 3 ROLLS



#### Technical data

- Length: 1.550 mm.
- Upper roll diameter: 360 mm.
- Side rolls diameter: 50 mm.
- Power: 18,5 Kw.



### OLEODINAMIC CALENDER MH 322D WITH 4 ROLLS



#### Technical data

- Length: 3.100 mm.
- Upper roll diameter: 350 mm.
- Lower roll diameter: 350 mm.
- Side rolls diameter: 250 mm.
- Max. thickness: 22 mm.
- Power: 11 Kw.

### BENDING PRESS LVD PP3B 320/45



#### Technical data

- Force: 3.200 KN
- Working length: 4.500 mm.
- Distance between standards: 3.820 mm.
- Stroke: 300 mm.
- Distance table / piston: 570 mm.
- Table width: 210 mm.
- Working speed: 10,5 mm./s.
- Controller: CADMAN CNC

**OIL-PNEUMATIC PRESS 4 COLUMNS OSP 500 4C SPECIAL**



**Technical data**

- |                            |              |
|----------------------------|--------------|
| • Force:                   | 500 ton.     |
| • Max. working stroke:     | 650 mm.      |
| • Daylight surface/ram:    | 1.000 mm.    |
| • Stroke:                  | 300 mm.      |
| • Opening frontal columns: | 1.200 mm.    |
| • Opening lateral columns: | 1.000 mm.    |
| • Working speed:           | 0,30 m./min. |

## MANIPULATOR TIG



### Technical data

- Horizontal stroke: 2.000 mm.
- Vertical stroke: 2.500 mm.
- Working cycle: manual or automatic
- Welding machine: KEMPPI 5000
- TIG: pulsed / normal
- Arc voltage control: automatic (disconnectable)
- DC power: 10 - 500 A
- AC power: 15 - 45 A



### MANIPULATOR TIG-MIG



#### Technical data

- |                                      |                            |
|--------------------------------------|----------------------------|
| • Horizontal stroke:                 | 2.500 mm.                  |
| • Vertical stroke:                   | 2.500 mm.                  |
| • Carriage torch stroke:             | 150 mm.                    |
| • Carriage oscillator stroke:        | 50 mm.                     |
| • Working cycle:                     | manual or automatic        |
| • Welding machine:                   | MIGATRONIC BDH 550         |
| • Arc voltage control:               | automatic (disconnectable) |
| • Power:                             | 5 - 550 A                  |
| • TIG welding head on the right side |                            |
| • MIG welding head on the left side  |                            |

## MANIPULATOR MIG



### Technical data

- |                               |                            |
|-------------------------------|----------------------------|
| • Horizontal stroke:          | 2.500 mm.                  |
| • Vertical stroke:            | 2.500 mm.                  |
| • Carriage torch stroke:      | 150 mm.                    |
| • Carriage oscillator stroke: | 50 mm.                     |
| • Working cycle:              | manual or automatic        |
| • Welding machine:            | MIGATRONIC BDH 550         |
| • Arc voltage control:        | automatic (disconnectable) |
| • Power:                      | 5 - 550 A                  |

## PLASMA MANIPULATOR



### Technical data

- Horizontal stroke: 3.000 mm.
- Vertical stroke: 3.800 mm.
- Working cycle: manual or automatic
- Welding machine: MIGATRONIC PLASMA  
COMMANDER 400A  
automatic (disconnectable)
- Arc voltage control: automatic (disconnectable)
- Power: 5 - 4000 A



**ORBITAL WELDING HEAD TUBE-TUBE SHEET****Technical data**

- Welding diameters from 14,5 mm. to 70 mm.
- TIG welding with and without welding material
- Special equipment for titanium, tantalum, niobium and zirconium welding

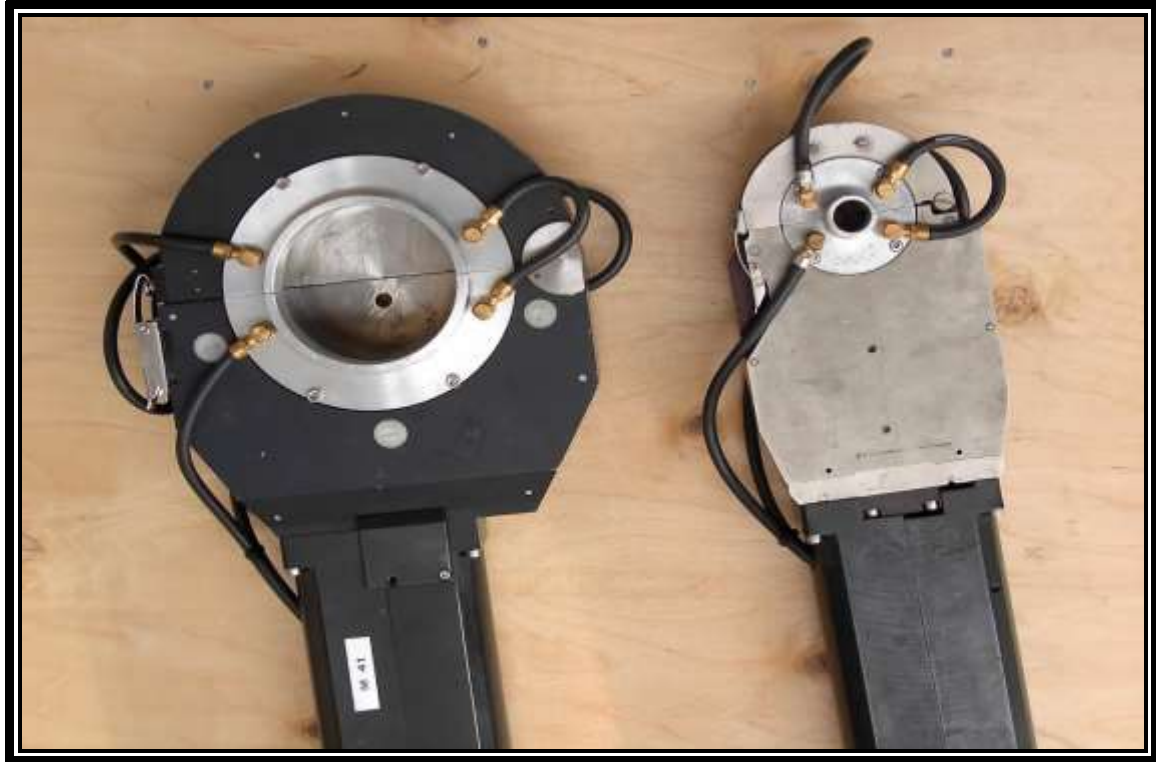
## RESISTANCE WELDING MACHINE



### Technical data

- Resistance welding machine
- Monophasic 125KVA 400V with thrust cylinder from 1242 daN

### ORBITAL WELDING HEAD TUBE/TUBE



#### Technical data

- Welding diameter from 12,7 mm. to 101,6 mm.
- TIG welding without welding material
- Special execution in closed room

## WELDING ROTARY TABLE POSITIONERS



### Technical data

- Capacity horizontal table: 12.000 Kg.
- Table diameter: 2.500 mm.
- Upward table raising to 2 mt., possibility to rotate 4 mt. max. dia pieces
- Hydraulic handling
- Two twin units available

## WELDING GLOVE BOX



### Technical data

- Internal dimensions: 1.200 x 1.200 mm.
- Internal height: 1.160 mm.
- Dedicated internal positioner
- Pass through chamber
- Gas purifier system: MB10
- Control system: PLC
- Circulation: 20 m<sup>3</sup>/h
- Vacuum pump: 17 m<sup>3</sup>/h
- Attainable pureness: H<sub>2</sub>O<1ppm; O<sub>2</sub><1ppm



**NEW "GLOVE BOX"**



**Technical data**

- |                        |  |
|------------------------|--|
| • Dimensions:          | 870 x 470 x 570 mm.                          |
| • Gas purifier system: | MB10   |
| • Control system:      | PLC  |
| • Circulation:         | 20 m <sup>3</sup> /h                         |
| • Vacuum pump:         | 17 m <sup>3</sup> /h                         |
| • Attainable pureness: | H <sub>2</sub> O <1ppm, O <sub>2</sub> <1ppm |

## BELT SAW



### BELT SAW MOD. RUSCH 444A Technical data

- Solid bar cutting up to 440 mm.
- Standard 2-axis CNC with autosaw function

### SEGA A NASTRO MOD. RUSCH 555A Technical data

- Solid bar cutting up to 550 mm.
- Standard 2-axis CNC with autosaw function

### SEGA A NASTRO MOD. RUSCH 600A PLUS Technical data

- Solid bar cutting up to 620 mm.
- Standard 2-axis CNC with autosaw function





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### **PICKLING / PASSIVATION AND CLEANING AREA**

- ~16m<sup>3</sup> pickling bath for inox and nickel alloy (see the picture);
- washing and dye penetrant examination area;
- no.1 ultrasonic cleaning plant.

### **LIFTING EQUIPMENTS**

- No.5 bridge-cranes, 5 tons capacity
- No.3 bridge-cranes, 10 tons capacity
- No.5 slewing-cranes, 300 kg. capacity

### PICKLING BATH



#### Technical data


- Length: 3.500 mm.
- Width: 2.600 mm.
- Height: 2.300 mm.

### TANK FOR NEUTRALIZATION

- Length: 900 mm.
- Width: 2.000 mm.
- Height: 600 mm.

### PASSIVATION TANK

- Length: 900 mm.
- Width: 2.000 mm.
- Height: 600 mm.

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#### **COVERED AREA**

- 3.000 m<sup>2</sup> of construction area (see the picture)
- 3.500 m<sup>2</sup> warehouse
- No.1 clean and conditioned area
- Area for storing the welding materials

#### **UNCOVERED AREA**

- 1.500 m<sup>2</sup>

#### **EMPLOYEES**

- 4 managers
- 2 accounting employees
- 4 technicians
- 4 employees in the quality sector
- 7 clerks
- 1 warehouseman
- 11 welders
- 1 marker-off / setting operators
- 3 grinders
- 6 workers

#### **SUB-SUPPLIERS**


In order to reach the maximum flexibility, C.S.C. decided to assign some activities to external qualified sub-suppliers, controlled by the company own Q.A. system.

Our sub-suppliers consist of:

- Planning offices for design development and manufacturing drawings
- Planning offices for the computer design activities (stress analysis, modal analysis, etc.)
- Workshops for carrying out all the machining operations (activities that can not be carried out at C.S.C.)
- Workshops for carrying out the polishing and satin-finish
- Steel workshop for the construction of the carbon steel and stainless steel parts.

**COVERED AREA**



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## MAIN WORKS PERFORMED IN THE LAST YEARS

Chemical, petrochemical, food, pharmaceutical, energy, hydraulic energy and various fields

3V TECH EQUIPMENT & PROCESS SYSTEMS S.P.A.:

- components for pharmaceutical industry

ARKEMA S.R.L.:

- design and construction of a reactor in hastelloy B2
- components in hastelloy B3
- design and construction of a vaporizer with tantalum coil

THYSSENKRUPP UHDE CHLORINE ENGINEERS (ITALIA) S.R.L.:

- chemical plants for chlorine/soda in titanium and nickel and consisting of reactor with agitator and condenser, heat exchanger and storage tank

LURGI ITALIANA:

- distributing pipes in hastelloy C22 for desulphurization plants of ENEL power stations

PFAUDLER WERKE GMBH:

- design and construction of an agitator shaft in nickel

PIC:

- design and construction of heat exchangers / heaters in tantalum TUV tested according to AD2000-Merkblatt

VERSALIS S.P.A.:

- heat exchanger, recipients and ducts in titanium, nickel and its alloy
- hastelloy C-2000 column

PAUL WURTH ITALIA S.P.A.:

- design and construction of plates columns in titanium gr.2 and 316L for coke plant

ANDRITZ KMPT:

- welded items such as housing, peeler arm, etc. in superaustenitic steel and nickel alloys for the pharmaceutical industry

SOLVAY SPECIALTY POLYMERS ITALY S.P.A.:

- reactors, columns, recipients, heat exchangers in nickel and its alloys and alloy 59

STEROGLASS:

- design and construction of heat exchangers bundle with tantalum tubes according to ISPEL code

TM.P. S.P.A. TERMOMECCANICA POMPE: - hydraulic components in duplex 2205, AISI316L and superduplex UNS S32760

PFAUDLER S.R.L.:

- special deep pipes and nozzles in hastelloy and tantalum

WORTHINGTON FLOWSERVE:

- hydraulic components in superduplex UNS S32760, UNS S31254 and UNS S31803



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- GE IONICS ITALBA: - components in superduplex UNS S32760 for desalting plant
- PIANIMPIANTI S.P.A.: - components in superduplex SAF 2507 for water treatment
- CALDER AG: - components in duplex UNS S31803 and superduplex UNS S32760
- SARAS S.P.A.: - special piping in alloy 825  
- line in cuni 90/10
- PIETRO FIORENTINI S.P.A.: - components in duplex for the use within the oil industry "hydrate separator"
- TWISTER B.V.: - components in duplex for the use within the oil industry
- MOSAICO TECNOLOGIE AMBIENTE E INDUSTRIE S.R.L.: - design and construction of adsorbers in alloy 59
- AHLSTROM SPECIALTIES S.A.: - construction of heat exchangers in tantalum
- NUOVO PIGNONE S.R.L.: - construction of components in inconel 718 and hastelloy X for gas turbine for power & gen. sector
- F.I.S.-FABBRICA ITALIANA SINTETICI S.P.A.: - reactors, heat exchangers in alloy, C22 and C276
- CHINOIN ZRT. (Sanofi Aventis): - conic dryer in titanium TDC 3000
- BOREALIS AB: - heat exchanger with titanium bundle

### Research, nuclear physics, cryogenics, ultra high vacuum field

- ACCEL Instruments GmbH: - construction and test of no.368 dished head and no.386 flat head for inertia tubes for CERN's project "LHC"  
- vacuum vessels in AISI 316L  
- copper thermal shields for cryostats cryostat
- ANSALDO RICERCHE: - construction and test of a prototype for the "ITER" project in 316LN + CuZr + graphite + tungsten, completed with electro beam welding
- CERN: - construction, assembling and test of no.21 liquid helium tanks for "SC" cavities  
- construction and tests of cryogenic liquid helium tank domes for "SC" cavities

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- construction and assembling of cryogenics helium tanks of CERN resonant cavities 35MHz
- ENEA BRASIMONE:

  - plant for Pb17Li alloy circulation for fatigue tests materials in dynamic conditions
  - design and construction of "LIFUS 5" plant
- ENEA FRASCATI:

  - hydrogen pellets injector for research on fusion devices
- ENEA / TECNOMARE:

  - construction of titanium gr.5 robot / vessel for "Antartide" project
- JET - Join European Torus:

  - "fast shutter assembly" in titanium gr.5
  - special constructions in stainless steel and inconel 600
- CRPP-EPFL:

  - construction of vacuum components in alloy 600 called "TAE antenna frame assembly"
- MAN Turbomacchine:

  - design, construction and testing of no.1 bellows assembly in alloy 600 for "JET / ITER / EFDA" project
- ANSALDO SUPERCONDUTTORI:

  - construction and test of vacuum vessel and cryostat "Gyrotron" for "ITER" project
  - construction and test of the vacuum chambers, thermal shields and mechanical structures of the DPS and CPS cryostats for the "KATRIN" project
- VECC - Variable Energy Cyclotrone Centre:

  - electrostatic deflectors for superconducting cyclotron
- ISTITUTO NAZIONALE DI FISICA NUCLEARE:

  - "SPES" project, heater in tantalum
- DEUTSCHES ELEKTRONEN-SYNCHROTRON DESY:

  - construction of no.272 "Helium Taks" in titanium for the "XFEL" project
- VARIAN MEDICAL SYSTEMS PARTICLE THERAPY GMBH:

  - construction of items for medical cyclotrons (radiation shield, vacuum chambers)


Vacuum vessels for lyophilization and metallization

- AERRE MACHINE:

  - vacuum vessel for metallization
- EDWARDS - HIGH VACUUM INT.:

  - construction and "Stoomwezen" approval of surge tanks and condensers for lyophilization



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- RI RESEARCH INSTRUMENTS GMBH: - vacuum chamber, "KATRIN" project
- PVA TEPLA: - manufacture and test of complete crystallization vessel "EKZ3000"

Naval and aerospace field

- ALENIA: - revision and modification of "PLU" (satellite tanks filling)
- CALZONI S.R.L.: - construction of guides in superduplex SAF 2507/2205 and UNSS32760
- FIAT AVIO: - various plant for ground tests on satellites  
- filling system for the tanks for the geostationary satellite engines
- WARTSILA NETHERLANDS B.V.: - waterjets made of AISI 316L and duplex UNS S31803
- WARTSILA DEFENSE, INC.: - special waterjets made of AISI 316L and duplex UNS S31803
- GAS & HEAT: - stainless steel components for "LPG carrier"
- VOITH TURBO MARINE STEAM TRAC B.V.: - construction of no.2 "jet" lines in duplex

Special parts for competitions

- APRILIA RACING: - realization of RSW 2000 frames in aluminium for "GP" class 500 cc. motorbikes  
- realization of components in aluminium for "GP" motorbikes
- FERRARI: - welding of parts in titanium gr.5 for "Formula 1" races
- TENCARA: - components in titanium gr.5 for "Il Moro di Venezia"



C.S.C. S.p.A.  
Schio (Vi - Italy)

## QUALITY SYSTEM DOCUMENT

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**Turnover 2017:** Euro 25.680.000,00.=.

**Turnover 2016:** Euro 26.554.488,00.=.

**Turnover 2015:** Euro 24.639.872,89.=.

**Bank references:**

- BANCA INTESA - Filiale di Schio
- UNICREDIT BANCA D'IMPRESA - Filiale di Schio
- CASSA DI RISPARMIO DEL VENETO - Filiale di Schio
- BANCO DI BRESCIA Filiale di Schio
- BANCA ALTO VICENTINO Filiale di Schio