

# SINERON ROMANIA









# GENERAL PRESENTATION

• SET UP 1936

CAPITAL RON 12 Million

• EMPLOYEES 220 EMPLOYEES

HEAD OFFICE/ PLANT SITE ROMANIA,

400641 CLUJ- NAPOCA, 12 MUNCII BLVD.

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• LEGAL STATUS PRIVATE: 62,7540% (Contactoare Buzau – SCR Group)

SIF OLTENIA: 31.0371%

Public: 6.2089%

**Member of SCR Group** 

• LAND & BUILDING 75,524. sqm

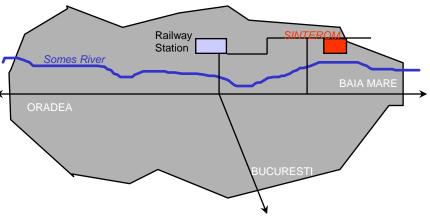


# PLANT LOCATION

## **ROMANIA**



## **CLUJ NAPOCA**







# **BRIEF HISTORY**

- 1936 SET UP OF "UZINA TRIUMF", SPECIALISED IN CHEMICAL PRODUCTS
- 1948 STARTING THE MANUFACTURING OF MICA INSULATOR SPARK PLUGS
- 1955 SERIAL PRODUCTION OF CERAMIC INSULATOR SPARK PLUGS
- 1959 START THE PRODUCTION OF GLOW PLUGS
- 1970 PRODUCTION OF SINTERED PARTS UNDER METAFRAM-FRANCE LICENCE
- 1972 MANUFACTURING OF THERMOSTARTS, UNDER CAV -ENGLAND LICENCE
- 1974 CHANGES THE NAME IN SINTEROM
- 1979 STARTING OF AlNi AND AlNiCo CAST MAGNETS PRODUCTION
- 1980 START OF THE PRODUCTION OF TUNGSTEN AND MOLYBDENUM WIRES UNDER TOHO-KINZOKU, JAPAN LICENCE.
- 1980 MANUFACTURING OF ELECTRICAL CONTACTS FROM SILVER ALLOYS
- 1984 NEW MODERN TOOL SHOP DEVELOPMENT
- 1987 EXTENSION AND MODERNISATION OF SINTERED PART WORKSHOP



•	1991	- THE RANG	E OF	THERMOSTARTS IS DIVERSIFIED

- 1992 THE SUPERALUMINOUS SINTERED CERAMIC INSULATOR RANGE IS EXTENDED
- 1997 STARTING OF THE FAST START GLOW PLUG MANUFACTURING
  - PRODUCTION OF THE COPPER CORED ELECTRODE SPARK PLUGS
- 1999 CERTIFIED ISO 9001 BY TUV MANAGEMENT SERVICE GMBH
- 2000 PRIVATIZATION 51% ACQUIRED BY CONTACTOARE BUZAU
- 2001 RECERTIFIED ISO 9001 BY TUV MANAGEMENT SERVICE GMBH
- 2003 PRODUCTION OF THE SPARK PLUGS WITH 16 mm HEXAGON AND FLAT SEAT
  - PRODUCTION OF A NEW TYPE OF GLOW PLUGS
- 2004 CERTIFIED ISO 9001/2000 BY TUV MANAGEMENT SERVICE GMBH
  - EAQF CERTIFICATION with DACIA -RENAULT
- 2005 ISO **TS 16949** CERTIFICATION ( December) BY **SGS**
- 2007 RECERTIFIED **ISO 9001**
- 2008 RECERTIFIED **ISO TS 16949**;
  - CERTIFICATION ISO 14001
- 2010 RECERTIFIED **ISO 9001** (October ) BY **SGS**
- 2011 RECERTIFIED **ISO 14001** (November ) BY **SGS**;
  - RECERTIFIED ISO TS 16949 (December) BY SGS









# MANUFACTURING PROGRAM

 SINTERED PARTS MAINLY FOR AUTOMOTIVE INDUSTRY & OTHER RANGES

pinion for timing chain, toothed wheels for toothed belt, oil pump pinions, shock absorber components, lock parts, various selflubricating bronze bushes and bearings

## DEVICES FOR ENGINE STARTING AND IGNITION

spark plugs, glow plugs, ignition electrodes, thermostarts for cold starting of Diesel engines















### ALUMINOUS SINTERED CERAMIC PARTS

Tubes, bushes, ceramic insulators, welding ceramic nozzles, ceramic parts for mills









# MAIN CAPACITIES

SINTERED PRODUCTS

- 1150 TONS/YEAR

SPARK AND GLOW PLUGS

- 2.2 MIL PCS/YEAR

CERAMIC SUPERALUMINOUS PARTS

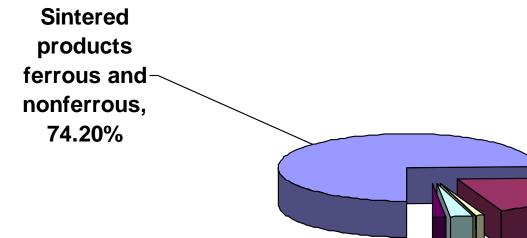
- 140 TONS/YEAR



# ANNUAL SALES

YEAR	SALES/YEAR (USD)	SALES/EMPLOYEE (USD)
2000	5,000,000	8,710
2001	5,100,000	9,300
2002	5,500,000	9,800
2003	6,190,000	12,000
2004	7,400,000	15,600
2005	7,500,000	18,000
2006	8,000,000	20,000
2007	8,000,000	21,000
2008	8,100,000	22,000
2009	5,100,000	22,500
2010	5,800,000	25,200
2011	6,000,000	27,300
2012	4,759,065	21,830

## **SALES BY PRODUCT TYPES**



and auto accessories, 20.10%

Electrical contacts, 1.80%

Tooling and mechanical parts procesed, 2.60%

Aluminous sintered ceramic products, 1.10%



**Ceramic plugs** 

# MAIN CUSTOMERS

• DELPHI DIESEL SYSTEM SPAIN

• GRUP RENAULT ROMANIA, TURKEI, BRAZIL

• BOSCH POWER TOOL HUNGARY

• WELLES (GNUTTI CARLO) USA

AUTONOVA
ROMANIA

PIERBURG PUMP TECHNOLOGY ITALY

• DANFOSS TRATA SLOVENIA

MAKITA EU ROMANIA

SINIEROM

## EXPORT COUNTRIES

- HUNGARY
- U.S.A.
- BELGIUM
- GERMANY
- FRANCE

- SPAIN
- ITALY
- NETHERLANDS
- SLOVENIA
- Export in 2008: 27% from sales
- Export in 2009: 37% from sales
- Export in 2010: 45% from sales
- Export in 2011: 54% from sales
- Export in 2012: 57% from sales



# MAIN EQUIPMENT

#### A. METALLIC SINTERED WORKSHOP

- Hydraulic multilevel press for powder metallurgy, for high complexity sintered parts 250 to
- Automatic mechanical presses for compacting sintered parts (range 20 to-250 to)
- Mechanical sizing presses for sintered parts (range 20 to-200 to)
- Powder metallurgy hydraulic presses- 2 pcs- 500 to
- Sintering furnace, conveyor belt type with protection endo-gas in muffle
- Endothermic gas generator by earth gas cracking
- Rotating magnetic table, semiautomatic plane grinding machine
- Deburring, washing, drying equipments Walther Trowal type
- High- Frequency Hardening equipment
- Heat treatment furnace IPSEN type
- Heat treatment line with IPSEN type furnace









## **Heat treatment line**





#### B. SPARK PLUGS & VEHICLE ACCESSORIES WORKSHOP

- Automatic machine for cold extrusion spark plug shells
- Multispindle automatic lathe, magazine fed,
- Multispindle automatic lathe, bar fed, six spindles,
- Mono-spindle automatic lathe,
- Semi-automatic thread rolling machine
- Stamping presses
- Automatic welding machine earth electrode on the spark plug shell,
- Semi-automatic spark plug shell marking machine
- Extrusion steel coil phosphating line
- Chemical blackening line
- Stationary bath zincplating line
- Stationary bath nickelplating line
- Rotating drum zincplating line
- Thermostart assembling line



#### C. CERAMIC PARTS WORKSHOP

- Alumina powder preparing atomizer
- Ceramic spark plugs insulator isostatic pressing and profile grinding machine
- Spark plug ceramic insulator isostatic press
- Semi- automatic tunnel furnace for superaluminous ceramic parts firing
- Semi- automatic tunnel furnace ceramic insulator glaze firing
- Semi- automatic spark plug insulator glazing machine
- Automatic cold extrusion spark plugs central electrode type machine
- Semi- automatic ceramic insulator and central electrode assembling line



# INVESTMENT PROGRAM 2013-2014 for modernization of technological flow in manufacturing of sintered metal parts

1. Hydraulic press DORST TPA 250 3HP	1. 320.000 Euro
Acquisition contract No. 53/17.07.2013 between SINTEROM - DORST	
2. Sintering conveyor belt type	
Acquisition contract No.51/15.07.2013 between SINTEROM -MAHLER	
2A. MAHLER DLM6E 450/100/800-4500	331.300 Euro
2B. MAHLER DLM6E 450/100/800-5250	395.300 Euro
3. Carbonitriding instalation 300 kg/charge	150.000 Euro
Acquisition contract No.55/19.07.2013 between SINTEROM - UTTIS	
4. Measuring machine 3D - ZEISS O INSPECT 442	91.500 Euro
Acquisition contract No.59/23.07.2013 between SINTEROM - ZEISS	
5. Lathe CNC for precision machining TOPPER type TNL-85 2S	<b>72.400</b> Euro
Acquisition contract No.118/04.10.2013 between SINTEROM - CMIE	
6. Deburing-washing-drying machine ROSLER	39.000 Euro

Acquisition contract No.88/06.09.2013 between SINTEROM- ROSLER



# 3-D Measuring machine: ZEISS O INSPECT 442



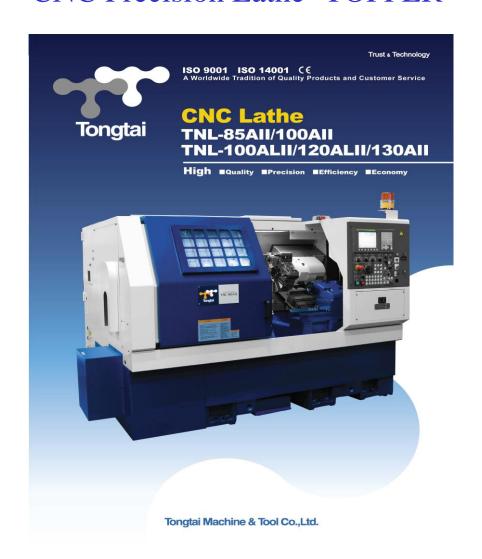
# 250 to multiplaten compacting DORST PRESS



# Conveyor belt sintering furnace



## **CNC Precision Lathe- TOPPER**



# Washing, deburring, drying equipment



# Carbonitriding furnace 300 kg/charge

