A. About us
We are located in Northern Italy, approximately 30 min. drive from Bologna, 2 hours from Milano

Via del progresso 1
42015 Correggio (RE)
Our history (1/2)

The company was founded in 1951 by Eugenio Brambilla, who was already working in moulding business since 1930.
Our history (2/2)

It’s now 100% owned by his sons, Aldo and Giancarlo.

But the third generation has key roles in the company.
The Group

Development and production of molds and core boxes for:
- aluminum and cast iron;
- gravity and low pressure casting processes;
- green sand.

Metal sheets forming, laser cutting, welding, machining and surface treatments.
We are working to establish a joint venture in India
Markets

Sales expanded since year 2000 from Italy to worldwide

Ref.: year 2011

- Rest of Europe: 51%
- Italia: 24%
- America: 21%
- Asia: 4%
Our Customers (1/3)

(BMW) (Germany)

(Ferrari) (Italy)

(nemak) (Mexico and Europe)
Our Customers (2/3)

(Teksid) (Italy)

(brembo) (Poland)

(GRUPO BOCAR Automotive Systems) (Mexico)

(mazzuccconi group) (Italy)
Our Customers (3/3)

- Tikta (India)
- Electrosteel Steels Ltd. (India)
- Martinrea Honsel (Germany)
- SOKON (China)
- WHB (Brazil)
- IKCI IRAN KHODRO (Iran)
- ICI Iranian Casting Industries (Iran)
B. Engineering
Understanding and meeting Customers’ needs is our priority.

Our goal is to use our experience to contribute to the production process optimization.
Special material

Wolfram is used where:
- fast dehating is critical
- high resistance from aluminum flow is required
During the development phase, a simulation can be performed by Magmasoft, in order to achieve as close as possible Customers’ metallurgical standards.
C. Manufacturing
The production flow has been redefined according to the lean production principles.
Quality control (1/2)

We have 2 CMM machines equipped with METROLOG SOFTWARE ...
... and a very new GOM optical measuring system, acquired to have quicker end even more reliable inspections.
We use first quality steel.
Rough machining

The first step of our production is done by our 3 axis machines:

- **OERLIKON FB2V**  
  (1600x800x800 3heads)
- **OERLIKON FB2H**  
  (1600x800x800)
- **OERLIKON FB0V**  
  (1400x600x600)
- **HURON SX**  
  2400x1000x1000)
Heat treatment

We cooperate with a high technology supplier, homologated by our premium Customers
Finishing

The next step of our production is done by our 5 axis machines:

- **DECKEL MAHO DMU 70V**
  
  (720x510x510, 12.000 revs/min)

- **DECKEL MAHO DMC 125U**
  
  (1250x800x800, 18.000 revs/min)

- **DECKEL MAHO DMC 125U**
  
  (1250x800x800, 18.000 revs/min)

- **DECKEL MAHO DMC 125P**
  
  (1250x800x800, 18.000 revs/min)

- **DECKEL MAHO DMC 160U**
  
  (1600x1250x1000, 18.000 revs/min)

- **MIKRON HPM 1000U**
  
  (1000x800x600, 20.000 revs/min)
In case of complex or deep profiles, graphite electrodes are produced and applied to cavities, to obtain desired shape using electrical sparks in sequence.
Assembly

Assembly is performed by qualified technicians:

«Our people are our value»
If Customers ask for, we can perform cores shooting and casting trials in two companies close to us. This will give additional confidence to equipment efficiency.
D. Our products
Our products

Prototype resin tool
Our products

Gravity mold
Our products

Fischer cold box

(approx. 2500 kg)
Our products

Resin core box

For mass production - Bocar
Our products (aluminum)

Cylinder head molds

Hyundai by Teksid

Viper by Nemak
Our products (aluminum)

The new technology: inorganic core box (oil heated)

BMW
Our products (cast iron)

Core setter & core assembly for twin patterns cylinder block

Nissan by ICI
E. Some parts produced with our toolings
Parts produced with our tools

Water jacket sand core – *Teksid*
Parts produced with our tools

Aluminum Cylinder heads - Automotive

3 cyl Ford Fox (gravity)

4 cyl GM Microtec (gravity)

6 cyl BMW (low pressure)
Parts produced with our tools

4 parts used in motorcycle welded aluminum frame (gravity and low pressure casted) - *BMW 1600 cc*
Parts produced with our tools

Cast iron automotive cylinder blocks

4 cyl.  
Fiat Punto

5 cyl.  
Lancia
Thanks for your time