

OLIVOTTO GLASS TECHNOLOGIES
GROUP

olivotto

ANTS

LYNCH

LINDNER



OGGT



THE GLOBAL PARTNER

HOLLOW GLASS FORMING TECHNOLOGIES
A FULL KNOW HOW FROM ITALY, USA AND GERMANY

Once Upon a Time ...

- **olivotto** company was founded in 1945 by Dr. Olivotto. The company was specialized in the engineering, designing and supply of machines for Blown Glass.
- In 2000, **olivotto** was acquired by Mr. Giulio Napoli, industrial entrepreneur and current Share Holder and President of the company.
- An important innovation phase took place during the years 2001 and 2002: the company model was changed from "heavy manufacturing" to "engineering, assembling and commissioning"

Time of acquisitions ... and more

- In October 2003, **olivotto** bought Antas; a company founded in 1960 (under the name of IMI) and specialized in the engineering and production of high capacity press machines (single, double and triple gob operations) for tableware.
- In 2004 a Private Equity Fund enter in the capital of the company as capital increase, holding the 40% of shares, to participate the strategic and ambitious plans of the company.

June 2007

Olivotto Glass Technologies acquired one of his main competitors, the US company Lynch Systems (now Lynch Technologies), one of the older hollow glass forming machines manufacturers in the world (1917).



April 2008

Olivotto Glass Technologies acquired an other competitor, the German company Lindner Maschinen.

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OLIVOTTO GLASS TECHNOLOGIES

Turnovers (2005 – 2013)

- Value of Production 2005: 18,3 M €
- Value of Production 2006: 20,6 M €
- Value of Production 2007: 22,8 M €
- Value of Production 2008: 24,5 M €
- Value of Production 2009: 25,3 M €
- Value of Production 2010: 26,2 M €
- Value of Production 2011: 25,8 M €
- Value of Production 2012: 25,5 M €
- Value of Production 2013: 27,2 M €

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OGT MACHINES

TABLEWARE PRODUCTS

STEMWEARES
TUMBLERS
MUGS AND CUPS
GENERAL TABLEWARE
PLATES AND BOWLS
BLENDERS
OVENWARES
FRIDGWARES
JUGS

**PRESS AND BLOW
BLOW-BLOW
WELDING
STRETCHING
STRETCHING/BURN-OFF
BURN-OFF
PRESSES
FEEDERS
FIRE-POLISHERS
CONVEYORS
JUGS MACHINES**

**SPINNING
STEMWARE LINES
INSULATORS LINES
BRICKS LINES
DOWN DRAW
DANNER
IS LARGE CONTAINERS
TUBING
GLASS WOOL LINES
ROCK WOOL LINES**

TECHNICAL GLASS PRODUCTS

ROCK WOOL
TUBES FOR PHARMA AND LIGHTING
BULBS
GLASS BRICKS
GLASS INSULATORS REFLECTORS
LARGE CONTAINERS
LABORATORY WARES
LENSES
GLASS WOOL

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The Company is
divided in three
Business Units

Each BU is completely
autonomous as far as
sales and technical
departments are
concerned

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OLIVOTTO GLASS TECHNOLOGIES

Tableware

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OLIVOTTO GLASS TECHNOLOGIES

Tubes & Lighting

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OLIVOTTO GLASS TECHNOLOGIES

Technical Glasses

Our Main Customers: Tableware



Our Main Customers: Tubing & Technical Glass

PHILIPS

sense and simplicity

CORNING

SCHOTT
glass made of ideas

SEVES

 **NIPRO**



台玻集團
TAIWANGLASS



GERRESHEIMER



LA GRANJA



OJSC POLTAVA MEDICAL GLASS FACTORY

ОАО ПОЛТАВСКИЙ ЗАВОД МЕДИЦИНСКОГО СТЕКЛА

New products from OGT: MINERAL WOOLS Equipments

- During II half of 2013, **OGT** made an exclusive and technological agreement of cooperation with company Techno Team, an Italian company headed by Mr. Montani, a pioneer in the mineral wools industry.
- From 1st January 2014, **OGT** is active in the Glass Wool and Rock Wool fields, as prime supplier of complete production lines, even on “turn-key” basis

What is GLASS WOOL?

- It is excellent thermal insulation effects.**

As it contains a large amount of air, which is 40 times as high as concrete and 12 times as high as mud-plastered wall, it has excellent thermal insulation effects. Thus, this glass wool helps to save heating and cooling costs significantly as it.

- It is excellent in sound absorption and elasticity.**

Excellent sound absorption provides a quiet and cozy living environment by preventing outside noises. Superior elasticity protects installed structures safely from shocks and vibration.

- It has superb effects in stability and non-flammability.**

It is safe due to less glass spines. Its waterproof, flameproof, and nonflammable properties help to minimize damage in case of fire.



- Economical & High Tensile Strength**

It is economical and it has high tensile strength. Compressed packaging makes easy storage and transportation and reduces construction period, which reduces construction cost. High tensile strength keeps excellent processability and independence.

- Various kinds for the Applications**

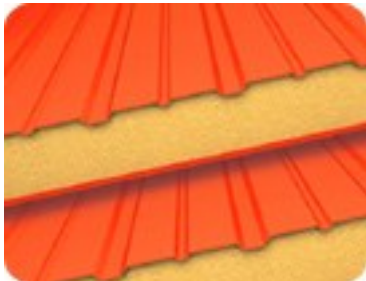
Various products such as mat and board are available depending on special purposes such as walls, floors, ceilings and pipes of a building and pipe insulation, vehicles, and ships.

Glass Wool panel

Non-flammability/insulated sandwich panel core materials

It is used as materials of thermal, insulation and sound. It is a nonflammable panel for installation of fire compartment and the fireproof structures.

Applications: Supermarkets, residential, shopping malls, dormitories, factories, refrigerated warehouses, fire area and fire danger all buildings



Glass Wool Mat

Applications: House(ceiling, wall, floor) · General construction, for PC

Glass Wool Board

Applications: General buildings, panel cores, buildings, vehicles, ships, sound facilities, etc.



Free Mat Board

Sealing Products

It's the polyethylene vinyl sealed products on general Mat Board.

Characteristics: Easy to handle (eco-friendly), Prevention of moisture during installation of outside walls. The product and vinyl are attached. It is convenient to install because the vinyl is not separated from the product while installing or cutting.

Applications: Insulation of apartment walls and general buildings

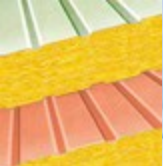
What is ROCK WOOL?

The rock wool is a thermal insulation made by melting Calcium-silicate minerals at high temperature (1600°C) and has a wide range of available options for:

- fire safety,
- sound absorption,
- thermal insulation,
- warm keeping,
- cool keeping,
- agricultural uses.

It is also recommended for those places that require energy saving, as it provides an excellent energy-saving effect with high fiber flexibility, enhanced dynamic stability, and low thermal conductivity.





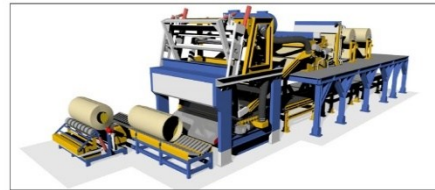
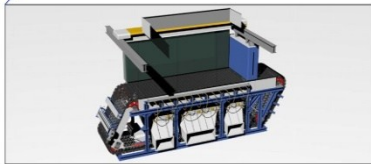
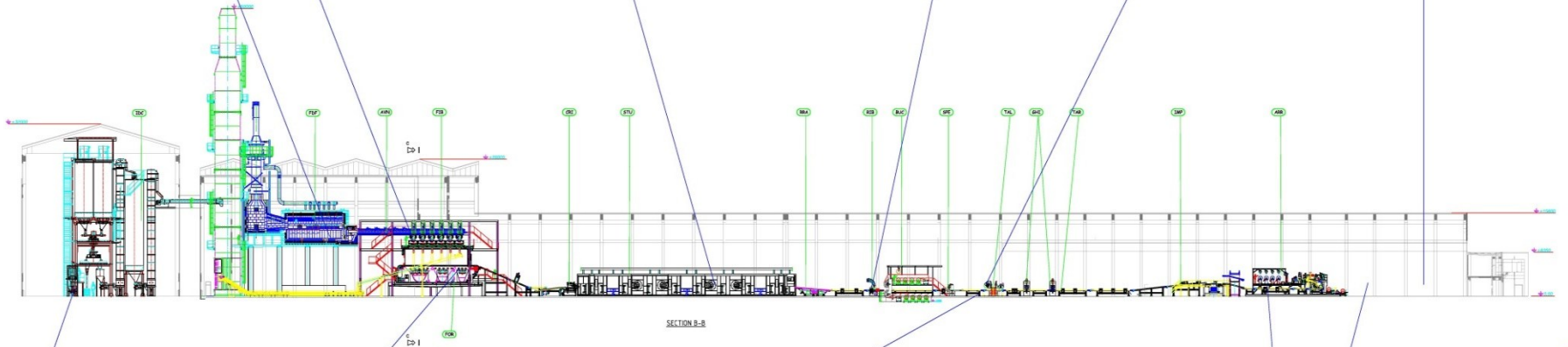
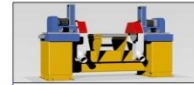
Type	Pictures	Features	Applications
Felt, Board		The product processed Standard Board	<ol style="list-style-type: none"> 1) Insulation of apartments, houses, schools, anti-sweating, soundproof 2) Thermal insulation of industrial facilities 3) Insulation of ships 4) Fireproof divider
Blanket		Convenient product for curved surface and complicated shapes	<ol style="list-style-type: none"> 1) Ceilings of houses 2) All kinds of tanks 3) Thermal and cold insulation of circle duct, etc.
Wired Blanket		Blanket products reinforced product with wires for durability	<ol style="list-style-type: none"> 1) Ceilings of houses 2) All types of tanks 3) Thermal and cold insulation of circle duct, etc.

Type	Pictures	Features	Applications
Loose Wool		The product processed Standard Board	<ol style="list-style-type: none"> 1) Insulation of apartments, houses, schools, anti-sweating, soundproof 2) Thermal insulation of industrial facilities 3) Insulation of ships 4) Fireproof divider, etc.
Pipe Cover		Convenient product for curved surface and complicated shapes	<ol style="list-style-type: none"> 1) Ceilings of houses 2) All kinds of tanks 3) Thermal and cold insulation of circle duct, etc.
Panel Core		Blanket products reinforced product with wires for durability	<ol style="list-style-type: none"> 1) Ceilings of houses 2) All types of tanks 3) Thermal and cold insulation of circle duct, etc.

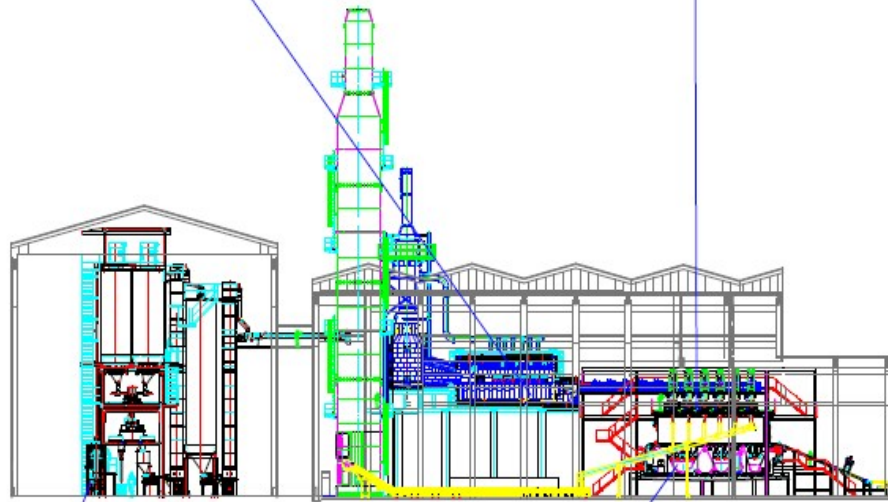
Olivotto Glass Technologies can now supply complete plants for **GLASS WOOL** and **ROCK WOOL** manufacturing

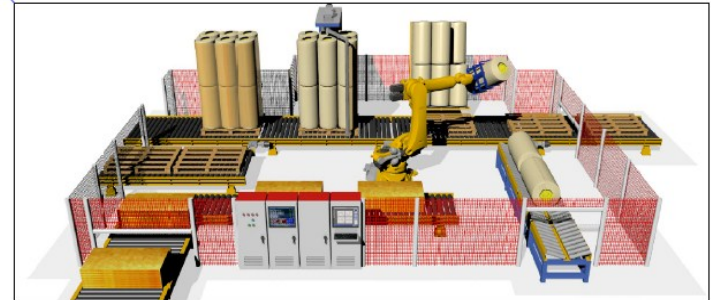
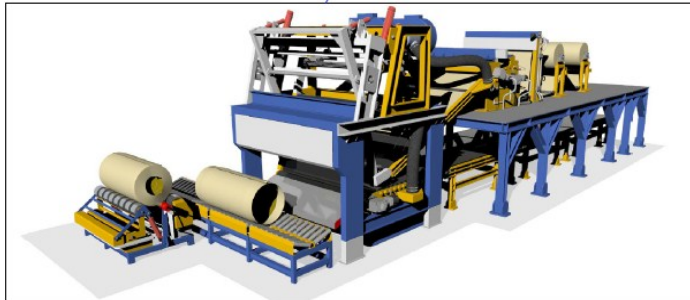
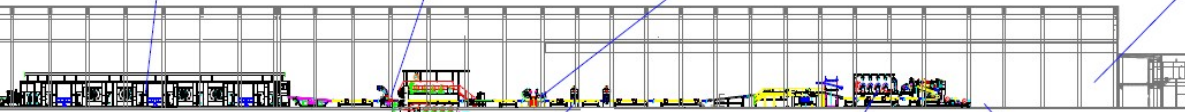
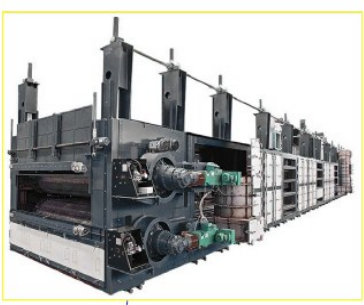
Thanks to the intense cooperation with Techno Team, **OGT** is now in position to supply complete production lines (technology and know-how) for Mineral Wools, supplying the most advanced equipments and machineries for the BEST QUALITY production with particular care to the POLLUTION FREE and ENERGY SAVING aspects.

In the next slide an example of our GLASS WOOL LINE



olivetto glass technologies spa		Viale Gualotti 23 - Arquate (Como) - Italy	
GLASS WOOL PRODUCTION LINE 120 TON/DAY		01/2016	
PROPOSAL LAY OUT		002-014-LAY-000-r1	
drawing 2/2		002-014-LAY-000-r1	







**Thank you very much
for your Attention**

A handwritten signature in black ink, appearing to be 'Cristian V. ...', is positioned in the lower right area of the slide.