Glass Technologies

Equipment and complete lines for float furnaces, flat glass and automotive glass industry

www.ioccogroup.com
Fieldwork Quality Competitiveness
Innovative, dynamic, competitive

IOCCO operates in the fields of Industrial Automation and Precision Engineering.

Thanks to its advanced production and engineering departments, IOCCO develops integrated turnkey solutions of complex systems and machines for different sectors of industries, such as: glass, mining, steel, food, motorcycle, automotive, renewable energy etc.

IOCCO consists of 3 divisions with their specific tasks and fields of activity:
- Glass division: float, flat and automotive glass
- Machines and special plants
- Machines and plants for assembly of photovoltaic modules under the brand INGENIOUS POWER

The company designs and build machines and plants of any dimension and type worldwide by providing a customer care service 7/7.

The after sale support guarantees following services:
- Maintenance Engineering
- Integrated Services
- Global Service
- Plants Upgrading
**Products and Solutions**
IOCCO offers a complete range of solutions in the field of automatic machines for glass processing, thus meeting all your requirements, from stand alone machines up to designing and construction of entire production lines.

IOCCO is able to provide experience and high technology in any field of the glass processing industry by supplying equipment to each specific production, from Float accessories machines and Flat glass up to the production of Automotive glass, and lines for production and packaging aswell.
FLOAT
Hot zone

- Tweel
- Carriages for Exit Cooler
- Top Rolls
- Barrage
- Fixed and mobile Periscopes
- Cooler
- Side sealing
- Waste cooler
- Carriages for Head Cooler
- Stirrer
- Fence and Pusher
- Safety barrier
- Carbon flag
- Tin cooler
FLOAT
Cold end

- Breakout
- Powder application
- Unloading machines
- Package
- Conveyors
- Cutting-off edge
- Insertion of spacers
- Scraps treatment
- Crusher
FLAT GLASS
Complete lines

- Cutting and breaking
- Acid etching
- Glass tempering
- Packaging
- Mirror safe
- Coater Glass

New storage system solution to manage glass packs.
"Living up to expectations; responding to market demands"
FLAT GLASS

Stand alone machines

- Loading and Unloading
- Automatic storing
- Packing
- Polishing
- Loading stands
- Sorting
- Powder application
- Spacers application
- Conveyors
- Line stackers
- Powder removing
- Scraps treatment
EXPERIENCE

Our company operates in the industrial automation and precision mechanics fields and can offer state-of-the-art technological and construction products thanks to its advanced engineering, construction, assembly and automation departments. IOCCO means dynamism, competitiveness and leading role in the market.

Our departments are: design, workshop, machine tool shop, painting, assembly, plants and testing.

Our staff, supervised by skilled and experienced managers, can manage very complex projects and find the most suitable solutions for any project phase. From design to installation at the destination site, IOCCO's skilled and qualified technicians carefully implement all the safety procedures in force without compromising the machine efficiency and ergonomics.

The IOCCO company experience is every day at the service of our customers. The list of our main customers here below is a confirmation of the excellent quality and reliability.
AUTOMOTIVE GLASS

EQUIPMENT AND COMPLETE LINES TO PROCESS:

TEMPERED

LAMINATED

PRE PROCESS LINE

PROCESS OF BENDING AND TEMPERING

PROCESS UNLOADING AND INSPECTION LINE

VALUE ADDED OPERATION
AUTOMOTIVE GLASS

EQUIPMENT AND COMPLETE LINES TO PROCESS BACKLITES AND SIDELITES:

**PRE PROCESS LINE**
- LOADING
- DIAGONAL CUTTING
- HANDLING CONNECTION FOR GRINDING MACHINE
- INTEGRATION OF GRINDING MACHINE
- DRILLING
- HANDLING CONNECTION WITH WASHING MACHINE
- INTEGRATION OF WASHING MACHINE
- HANDLING CONNECTION WITH PRINTING MACHINES
- INTEGRATION OF PRINTING MACHINES
- HANDLING CONNECTION WITH UV/IR OVEN
- INTEGRATION WITH UV/IR OVEN
- INSPECTION
- STORING
- CONNECTION WITH TEMPERING FURNACE

**BENDING AND TEMPERING PROCESS**
- PRESS SYSTEM FOR BENDING AND TEMPERING
- ROLL FORM SYSTEM FOR BENDING AND TEMPERING
- BLOWING SYSTEM
- MOLD SYSTEM
- COOLING SYSTEM

**UNLOADING AND INSPECTION LINE**
- SORTING
- SHAPING CHECK
- PICKING STATION CENTERING MACHINE
- FLIP OVER UNIT MACHINE
- INSPECTION LIGHTING PANEL
- TRIMMING PAPER MACHINE
- APPLICATION PAPER MACHINE
- SPACER APPLICATION MACHINE
- TRANSFER PACKING MACHINE
- ROTATING PACKING TABLE
- POWDER MACHINES

**VALUE ADDED OPERATIONS**
- ELECTRICAL TERMINALS APPLICATION CELL
- ELECTRICAL CONTROL CIRCUITS CELL
- ENCAPSULATION CELL
- PIN APPLICATION CELL
- SPACER APPLICATION CELL
- APPLICATION ACCESSORIES CELL
- EXTRUSION LINE

**AREAS OF EXPERTISE**
- SORTING
- SHAPING CHECK
- PICKING STATION CENTERING MACHINE
- FLIP OVER UNIT MACHINE
- INSPECTION LIGHTING PANEL
- TRIMMING PAPER MACHINE
- APPLICATION PAPER MACHINE
- SPACER APPLICATION MACHINE
- TRANSFER PACKING MACHINE
- ROTATING PACKING TABLE
- POWDER MACHINES
AUTOMOTIVE GLASS

EQUIPMENT AND COMPLETE LINES TO PROCESS LAMINATED WINDSHIELD, SIDELITES AND SUNROOF:

PREPROCESS LINE
- LOADING
- HANDLING CONNECTION FOR GRINDING MACHINE
- INTEGRATION OF GRINDING MACHINE
- HANDLING CONNECTION WITH WASHING MACHINE
- INTEGRATION OF WASHING MACHINE
- HANDLING CONNECTION WITH PRINTING MACHINES
- INTEGRATION OF PRINTING MACHINES
- HANDLING CONNECTION WITH UV/IR OVEN
- INTEGRATION WITH UV/IR OVEN
- INSPECTION
- STORING
- CONNECTION WITH BENDING FURNACE

ASSEMBLY PROCESS
- BENDING FURNACE UNLOADING
- GRID CHECK
- WASHING
- PRE PROCESSING PVB - TRIMMING AND LAY UP
- PVB - GLASS ASSEMBLY
- PRE PRESSING
- LAMINATING «DEAIRING» BAG FURNACE, RING FURNACE, NIP ROLLS SYSTEM
- CHECK AFTER DEAIRING
- MIRROR BOSS AND RAIN SENSOR APPLICATIONS

FINAL INSPECTION LINE
- SHAPING CHECK
- LOADING/UNLOADING AUTOCLAVE CONVEYOR SYSTEM
- PVB TRIMMING
- FINAL INSPECTION LINE
- PACKING LINE

VALUE ADDED OPERATIONS
- SEALS APPLICATION CELL
- MICRO EXTRUSION CELL
- RAIN SENSOR APPLICATION CELL
- MIRROR BOSS APPLICATION CELL
- APPLICATION ACCESSORIES CELL
- SHAPE CHECKING CELL
**SERVICE**

- **After-sale support**
  After-sale support is guaranteed by our technical and commercial staff from 8:00 am to 5:30 pm (Italian time) from Monday to Friday

- **Spare parts according to the spare parts list**
  We provide coded spare parts supply Technical and practical training

- **Technical-practical training**
  Of the maintenance staff and training of the staff responsible for running the plant

- **Remote assistance**
  Connection to the machinery or plant through VPN network to perform diagnostic tests and troubleshooting

- **Preventive maintenance, both ordinary and extraordinary**
  Technical intervention for maintenance of our specialized personnel

- **Refitting**
  Upgrading mechanical and automatic systems provided according to the latest market trends and the second customer’s request

**EXPERIENCE**

Our company operates in fields of industrial automation and precision mechanics. Thanks to our state-of-the-art we supply engineering, construction, assembly and automation.

Our departments are: design, workshop, machine tool shop, painting, assembly, plants and testing.

Our staff, supervised by skilled and experienced managers, are able to manage very complex projects and find the most suitable solutions for any project phase. Skilled and qualified technicians carefully implement all the safety procedures in force from design to installation at customer’s site without compromising the machine efficiency and ergonomics.
Fieldwork Quality Competitiveness are the right partners for your project

Production lines and machines for float furnaces, flat glass and automotive glass industry