Group Profile
Corporate Info

1984  Vizzaccaro family founded CIEM

2002  MADA was founded by a Mbo of FATA Aut Group

2004  CIEM Group became a shareholders MADA with 25% of shares

2004  CIEM MADA GROUP formed

2005  CIEM MADA Automation was founded in Valencia – Es

2007  CIEM MADA Poland was founded in Tychy Poland

2009  Formation of CIEM MADA France

2009  FATA Automation Ltd – Worcester UK joined the Group

2009  CIEMMADA became owner of the rights and know how FATAAut

2010  Formation of CIEM MADA Serbia

2012  Formation of CIEM MADA AUTOMACAO do Brazil

2013  Working capital of the Group is approx. 7 million of €

2014  Formation of CIEM MADA RUSSIA
Group Shareholders

CIEM SPA 50%

MA.DA SPA 50%

CIEM GROUP 25%

MANAGEMENT 70%

OTHERS 5%

HIGH MANAGEMENT OF THE GROUP 100%
Backlog
Years 2012/2014

Europe CEE € 95,600,000
Europe Extra Cee (Russia, Serbia & Turkey) € 17,600,000
South America € 81,500,000
North America € 2,500,000
Asia € 1,500,000

FIAT GROUP 45%
RENAULT GROUP 19%
GEICO 12%
GM 4%
VW GROUP 7%
OTHERS 13%
Quality

- All our processes comply with current standards. The company quality system is assured by strict control standards. In fact every step is subject to testing and certification, starting from designing up to maintenance and supply of spare parts.

- Even all in-house passages such as construction, assembly, testing at customer’s premises and training is qualified and monitored. In CiemMada everything is carefully checked and verified.
Staff breakdown

• Actually the staff head count is made up of:
  • 6 - Directors
  • 12 - Project Managers
  • 28 - Mechanical Engineers
  • 26 - Electrical and Software Engineers
  • 21 – General & Adm.
  • 54 - Skilled Workers for Workshop and Site
  • 20 - Site Supervisors
  • 39 - Staff for Maintenance & Managing Contracts
Main Used Software

- **Mechanical**
  - INVENTOR
  - CATIA V5
  - NX8
  - SOLIDWORKS 3D

- **Electrical**
  - EPLAN
  - SPAC
  - SEE-ELECTRICAL
  - CATIA-HARNESS

- **FEM Analysis**
  - ANSYS
  - STRAUS
  - CATIA FEM
  - PATRAN
  - NASTRAN

- **Simulations**
  - Systems
  - Kinematics
  - Flow
  - MATLAB/SIMULINK
  - CATIA DMU
  - ARENA

- **PLC**
  - SIEMENS
  - ALLEN-BRADLEY
  - SCHNEIDER
Research & Development

R&D a key factor of the Group
We continuously improve our products

Recent successes are:

• AGVs with IPT technology: Body Shop Fiat Cassino
• Skillet with IPT technology: Trim Line Fiat Pomigliano & Serbia

Lift, EMS and AGV with IPT Technology

Ems control boxes with WiFi Technology
CIEM and MADA Facilities
Group Products

According to our customers needs we offer gradual intervention by operating on different Company levels and areas.

- Customization and turn key solutions of the products created includes:
  - Overhead Conveyors:
    - Chain conveyor: Monorail, Power & Free 3”, 4” and 6”.
    - EMS, EMS contactless and WIFI Technology.
    - Inverted Skid.
  - Floor conveyors:
    - Skids, Slat conveyors, Men mover, Chain and Belt conveyors,
    - Skillets.
  - AGV;
  - Scrap Conveyors;
  - Automated Storage and Retrieval Systems;
  - Tunnel Vehicle inspections systems.

- Each product is the result of accurate feasibility studies and assures excellent cost/quality features. The solution adopted allow easy driving and simple and scheduled maintenance.
Overhead Conveyors
Chain Conveyor
Monorail and Power & Free

We can offer to our Customers
Monorail and  P&F  3”  4” or 6”
Fata or Webb type

- Management of components in stock;
- Internal production of elements with welding jigs;
- CIEM MADA’ chain certificated in 38NCD4;
- CIEM MADA’ trolleys.
Work in progress
Overhead Conveyors
Chain Conveyor P&F 6”
Avtovaz Togliatti Paint Shop

P&F 6”

- **Total length**: 1500 m
- **Hangers**: 92
- **Carried weight**: 500 kg
- **Production**: 66 cars/hour
Recent Successes

Overhead Conveyors
Chain Conveyor Monorail 6”
Renault Sandouville

Monorail I6”

- Total length: 1050 m
- Hangers: 150
- Carried weight: 2800 kg
- Production: 35 cars/hour
Overhead Conveyors P & F 6”
Assembly Shop Fiat Tychy

P & F 6” Webb Type
• Total length 800m
• Hangers 120
• Carried weight 1400 kg
• Production 45 cars/hour
Overhead Conveyors  P & F 6”
Chassis Line Fiat Pomigliano

P & F 6” Webb Type
• Total length 1650m
• Rotatory hangers 220
• Carried Weight 1500 kg
• Production 62 cars/hour
Overhead Conveyors P & F 6”
Assembly Shop Sevel Val di Sangro

- Total length: 5000m
- Hangers: 475
- Carried weight: 1350kg
- Production: 62 cars/hour
Electrified Monorail System “Ems”

We can offer to our Customers:

Electrified Monorail System

<table>
<thead>
<tr>
<th>Model Type</th>
<th>Track Section Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>L 60</td>
<td>180 x 60 mm</td>
</tr>
<tr>
<td>M 60</td>
<td>180 x 60 mm</td>
</tr>
<tr>
<td>P 60</td>
<td>240 x 80 mm</td>
</tr>
</tbody>
</table>

• Management of components in stock
• Available CIEM MADA Control Boxes also WiFi technology
• Available EMS IPT Technology
<table>
<thead>
<tr>
<th>EMS Line Door L60</th>
<th>EMS Line Cockpit L60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total length</td>
<td>Total length</td>
</tr>
<tr>
<td>2000m</td>
<td>400m</td>
</tr>
<tr>
<td>Hangers</td>
<td>Hangers</td>
</tr>
<tr>
<td>327</td>
<td>54</td>
</tr>
<tr>
<td>Carried weight</td>
<td>Carried weight</td>
</tr>
<tr>
<td>200kg</td>
<td>200kg</td>
</tr>
<tr>
<td>Production</td>
<td>Production</td>
</tr>
<tr>
<td>62 cars/hour</td>
<td>62 cars/hour</td>
</tr>
</tbody>
</table>
Recent Successes
EMS
FIAT Melfi Assembly Shop
Seat - Dashboard - Door - Final - Testing

<table>
<thead>
<tr>
<th>EMS Door L60 Load/Unload</th>
<th>EMS Line Dashboard L60</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Total length 200m</td>
<td>• Total length 600m</td>
</tr>
<tr>
<td>• Hangers 700</td>
<td>• Hangers 50</td>
</tr>
<tr>
<td>• Carried weight 200kg</td>
<td>• Carried weight 100kg</td>
</tr>
<tr>
<td>• Production 62 cars/hour</td>
<td>• Production 62 cars/hour</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EMS Line Seat L60</th>
<th>EMS Line Testing P60</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Total length 1600m</td>
<td>• Total length 200m</td>
</tr>
<tr>
<td>• Hangers 90</td>
<td>• Hangers 18</td>
</tr>
<tr>
<td>• Carried weight 150kg</td>
<td>• Carried weight 2000kg</td>
</tr>
<tr>
<td>• Production 62 cars/hour</td>
<td>• Production 62 cars/hour</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EMS Line Final P60</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Total length 500m</td>
</tr>
<tr>
<td>• Hangers 30</td>
</tr>
<tr>
<td>• Carried weight 2000kg</td>
</tr>
<tr>
<td>• Production 62 cars/hour</td>
</tr>
</tbody>
</table>
EMS Line Door L60
- Total length 1500m
- Hangers 290
- Carried weight 200kg
- Production 62 cars/hour

EMS Line Seat L60
- Total length 500m
- Hangers 50
- Carried weight 200kg
- Production 62 cars/hour
<table>
<thead>
<tr>
<th>Line Type</th>
<th>Description</th>
<th>Total Length</th>
<th>Hangers</th>
<th>Carried Weight</th>
<th>Production (Cars/hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS Line Door less L60</td>
<td></td>
<td>1600m</td>
<td>260</td>
<td>200kg</td>
<td>62</td>
</tr>
<tr>
<td>EMS Line Seat L60</td>
<td></td>
<td>600m</td>
<td>45</td>
<td>150kg</td>
<td>62</td>
</tr>
<tr>
<td>EMS Line Dashboard L60</td>
<td></td>
<td>400m</td>
<td>54</td>
<td>100kg</td>
<td>62</td>
</tr>
<tr>
<td>EMS Line Wheel L60</td>
<td></td>
<td>300m</td>
<td>30</td>
<td>100kg</td>
<td>62</td>
</tr>
<tr>
<td>EMS Line Final Assembly M60</td>
<td></td>
<td>300m</td>
<td>26</td>
<td>1300kg</td>
<td>62</td>
</tr>
</tbody>
</table>
Ems
Assembly Shop Fiat Pomigliano
Recent Successes
Inverted Skid
Paint Shop Fiat Pomigliano

Reverse skid
• Total length 280m
• Skids 28
• Carried weight 400kg
• Production 62 cars/hour
Friction Conveyors Skillet

- Strong skills
- Many systems installed
- Contactless technology
Recent Successes
Skillet

Trim Line Assembly Shop Fiat Melfi

• 62 Skillet platforms
• Dimensions 3000x5750mm
• Payload 1500kg
• Skillet floor finished in treated wood

Trim Line Assembly Shop Fiat Pernambuco Brazil

• 59 Skillet platforms
• Dimensions 3000x5750m
• Payload 1500kg

Final Line Assembly Shop Fiat Pernambuco Brazil

• 45 Skillet platforms
• Dimensions 3000x6000m
• Payload 2000kg
Skillet

Trim Line Assembly Shop Fiat Pomigliano

- 74 Skillet platforms
- Dimensions 3000x4750mm
- Payload 1500kg
- Skilled floor finished in treated wood

Trim Line Assembly Shop Fiat Serbia

- 69 Skillet platforms
- Dimensions 3000x5350m
- Payload 1500kg
Recent Successes
Skillet
Final Assembly Tofas Turkey

Trim Line

• 16 Skillet platform with 3 electro-mechanical lift tables on board
• Dimensions 3000x5250mm
• Lift Table Payload 1000kg
• CIEM MADA standards solution applied to our prestigious customers;

• Fully integrated systems for production lines, transfer lines, buffer lines and recirculation lines.
Work in Progress

Skid

Avtovaz Togliatti PBS-Tristock-MEB

- Total length: 2000m
- Skids: 300
- Payload: 500 kg
- Production: 66 cars/hour
Work in Progress

Skid

FIAT Cassino – Body Shop

- Total length: 1100m
- Skids: 50
- Payload: 1500 kg
- Production: 66 cars/hour
Recent Successes

Skid

VW Pamplona Body/Paint Shop Link

- Total length 1000m
- Skids 150
- Payload 700 kg
- Production 60 cars/hour
Recent Successes

Skid

Renault Sandouville – TMD/SC5 Line

4 Columns Docking Lifter
Skid Painting Shop Fiat Mirafiori

- Total length: 3000m
- Skids: 1000
- Payload: 700 kg
- Production: 40 cars/hour
Recent Successes
Skid
Body Shop Sevel VdS
Skid Painting Shop Sevel VdS
Recent Successes

Skid

Fiat Tychy
Recent Successes

Skid

Body Shop VW Argentina
Recent Successes

Skid Painting Shop VW Argentina
Recent Successes

Slat Conveyor & Men Mover

Fiat Melfi Turkey Pomigliano
Renault Sandouville
Recent Successes

A GV powered by SEW’s IPT tecnology

Fiat Cassino

- Total length: 700m
- Vehicles: 10
- Speed: up to 50 m/min
- Payload: 1500kg
- Positioning Accuracy: +/- 5mm
Scrap Conveyors
Press Shop Ford Valencia

◆ Press
   ✦ Production

◆ Conveyors
   ✦ Length
   ✦ Vertical Drop
   ✦ Speed
   ✦ Carried Scrap

2
26 - 34 tons/hour
4
25 - 55 mt
2 - 10 mt
11.2 - 16.8 mt/min
52 - 80 tons/hour
Recent Successes
Automated Storage Systems
Cargo System   Aeroporti di Roma

- Stocking area                   2.736 mq
- Warehouse Capacity             230 20” Teu boxes
                                      8 refrigerated boxes
- ETV Translation Speed          73m/min
  Lift Speed                     15m/Min
  Daily ULS moved                280
Recent Successes

Tunnel vehicle inspections systems
J. Murphy & Sons, Morgan Est, Costant

• FATA Automation Limited were awarded by civil contractors for the National Grid, for 400KV Cable tunnel projects, to supply the monorail within 20/40 kilometre 3/4 metre diameter tunnels together with remote controlled cable inspection vehicles.
• The vehicles and its associated trailer are capable of carrying up to 5 personnel together with 500 kg tools without recharging.
Main Clients

Our Main trust customers in Automotive sector are:
Main Clients

Our Main trust customers in other sectors are:
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