1899 The first South-Bohemian factory manufacturing machinery and mills – JULIUS ŠKARLAND and co. – direct ancestor of our company

1911 UNION, joint stock engineering company and foundry in České Budějovice – production of water turbines, assemblies and repairs of engines

1948 MOTOR UNION, national corporation
Production of components for automotive industry.
Production of two-stroke and four-stroke engines.

1954 MOTOR, national corporation
Production for automotive industry under the JIKOV trade mark – fuel and air pressure systems.

1980 Start of fuel system components and carburettors for Škoda 105, Škoda 120 and Škoda Favorit.
Start of production of high-pressure compressors.

1989 MOTOR JIKOV, state enterprise
Establishment of AutoSAP, the automotive industry association
1991 MOTOR JIKOV, joint stock company
1992 Joint venture with Robert Bosch
1995 MOTOR JIKOV a.s. joining M.I.C.B. a.s.,
   the engineering group
   Production of MOTOR JIKOV brand internationally certified.
   Start of production of TRW Aschau airbag components.
   Takeover of Lada Soběslav.
1996 Start of license production of Fichtel & Sachs four-stroke engines.
1997 Establishment of subsidiary joint stock companies.
1998 Start of casting production for Brose.
2000 Joint venture with Tecumseh Products Company.
2001 Start of production of rivet guns for Textron Fastening Systems
   (Infastech).
2003 Start of production of industrial cleaning machines for TENNANT.
2004 Extension of product and component production for main customers – TELEFLEX, AUTOMOTIVE, TEXTRON, E-Z-GO, ELECTROLUX.

2006 Start of production and machining of aluminium castings for Briggs & Stratton.

2008 Start of production for SCANIA AB.

2009 Production of first home CNG refueling station in the Czech Republic, bringing to market.

2010 Start of the Running on green power project.
   Establishment of NGVA association.
   Production development of CNG filling stations for households and businesses.

2011 1st prize E.ON Energy Globe Award, category of Air, for CNG filling station

2012 Establishment of MOTOR JIKOV GREEN a.s.
MAIN ACTIVITIES
MOTORJIKOV Group a.s.

COMPLEX ENGINEERING PROJECTS
(high and low pressure Al/Zn castings, ductile and grey iron castings, Al/Zn die-casting tooling, single-purpose assembly, testing and machining machinery, products for automotive and consumer industry, rivet guns, CNG filling stations, small agricultural equipment, air-brake system components, fuel system components, cleaning machines)

FOUNDRY
HIGH-PRESSURE DIE-CASTING
Al high-pressure die-casting machine 320 – 1000 t
Zn high-pressure die-casting machine 20 – 315 t
Material: Al226, 231, 51K, Zn400, 410, 430
Weight of castings up to 6.5 kg
Optimal series of 20,000 Pcs – 1 million Pcs

LOW-PRESSURE DIE-CASTING
Low-pressure die-casting machine KURTZ AL 16-12SR
Size of molds up to 1600x1200 mm
Weight of castings form 0.1 to 20 kg
Materials: Al421, aluminium alloys
Optimal series from 1,000 Pcs

DUCTILE AND GRAY CAST IRON
Frameless casting line DISAMATIC 2013
LP/PLC – B vertical dividing plane
Size of molds: 535x650x120-360 mm
Material: ductile and gray iron
Weight of castings up to 20 kg
Optimal series from 1,000 to 500,000 Pcs

MACHINING
CNC, NC turning, milling, grinding, honing, drilling, threading, complex machining
Material: Al alloys, all types of steel, iron, plastics, bronze and brass
Semi-finished products: castings, forgings, stampings, tension profiles, divided material
Work pieces of the max. weight 20 kg
Optimal series 50 – 1 million Pcs

ASSEMBLIES
Partial components or assemblies

SUPPORT PROCESSES
TOOLING – Al/Zn pressure die-casting molds, trimming tools
SINGLE PURPOSE MACHINERY – assembly, testing and machining machinery, machining fixtures
HEAT TREATMENT – annealing, hardening in protective atmosphere
SURFACE TREATMENT – galvanisation, blacking
TESTING
MOTOR JIKOV GROUP a.s. - České Budějovice
880 employees, turnover €51 mil., 100% ownership by 2 physical persons

MOTOR JIKOV Strojírenská a.s.
301 employees, turnover €21 mil.

MOTOR JIKOV Strojírenská a.s. - Soběslav
251 employees, turnover €18 mil.

MOTOR JIKOV Strojírenská a.s. - Č. Budějovice
50 employees, turnover €3 mil.

MOTOR JIKOV Slévárna a.s.
401 employees, turnover €25 mil.

Die-casting Division
279 employees, turnover €16 mil.

Foundry
122 employees, turnover €9 mil.

MOTOR JIKOV Fostron a.s.
90 employees, turnover €5 mil.

MOTOR JIKOV GREEN a.s.
LOCATION OF MJG COMPANIES WITHIN THE CZECH REPUBLIC
MOTOR JIKOV Group a.s.

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MAIN ECONOMIC INDICATORS
MOTOR JIKOV Group a.s.

MAIN ECONOMIC INDICATORS
MJG

- Investments in mil. CZK
- Sales, incl. merchandise in mil. CZK
- Employees
SALES BY INDUSTRY

Sales in 2011 - CZK 1.3 billion

- 54% AUTOMOTIVE (from that 12% trucks)
- 38% INDUSTRIAL
- 8% CONSUMER
SALES BY CURRENCY
Sales in 2011 - CZK 1.3 billion

70% EUR
21% CZK
9% USD
SALES BY TERRITORIES
Sales in 2011 - CZK 1.3 billion

- 40,6% CZECH REPUBLIC
- 12,1% GERMANY
- 10% USA
- 8,3% ITALY
- 7,7% UK
- 4,6% SLOVAK REPUBLIC
- 3,6% POLAND
- 1,1% FRANCE
- 12% others
# TOP CUSTOMERS
MJG in 2011

<table>
<thead>
<tr>
<th>Customer</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brose</td>
<td>12%</td>
</tr>
<tr>
<td>Infastech</td>
<td>9%</td>
</tr>
<tr>
<td>E-Z-GO</td>
<td>8%</td>
</tr>
<tr>
<td>SCANIA</td>
<td>5%</td>
</tr>
<tr>
<td>BONDIOLI &amp; PAVESI</td>
<td>5%</td>
</tr>
<tr>
<td>BRIGGS &amp; STRATTON</td>
<td>4%</td>
</tr>
<tr>
<td>Mubea</td>
<td>3%</td>
</tr>
<tr>
<td>MAGNA</td>
<td>3%</td>
</tr>
<tr>
<td>Honeywell</td>
<td>3%</td>
</tr>
<tr>
<td>PALL</td>
<td>2%</td>
</tr>
<tr>
<td>Others</td>
<td>46%</td>
</tr>
</tbody>
</table>
## CERTIFICATION
**MOTOR JIKOV Group a.s.**

|-------------------------------|-----------------------------------|-----------------------------------|----------------------------------|---------------------|
| MOTOR JIKOV Strojírenská a.s. plant in Soběslav  
| MOTOR JIKOV Slévárna a.s. Die-casting Division  
 Foundry                                                   | 2003                              | 2000                              | 2004                              | TÜV NORD CERT GmbH   |
| MOTOR JIKOV Fostron a.s.                                            | 2005                              |                                   |                                   | TÜV NORD CERT GmbH   |
INDIVIDUAL COMPONENTS VS COMPLEX PRODUCTS
MOTOR JIKOV Group a.s.

PASSENGER CAR

- wiper drives
- pump cover
- belt tensioners
- mirror holder
- window control
- locks
- stabilizer holder
INDIVIDUAL COMPONENTS VS COMPLEX PRODUCTS
MOTOR JIKOV Group a.s.

TRUCK

- hydraulic casing
- cardan shafts
- SCANIA engine brake
- SCANIA gearbox components
- SCANIA tank holders
- air compressor
- spring brake cylinder
MECHANISATION DIVISION

Rotary drum mowers and mulchers
INDUSTRIAL PRODUCTS DIVISION

- Genesis nG3 fully equipped
- 74200 type for rivet nuts
- 07537 refresher tool
brake drum for motor golf cart

Motor Jikov Strojírenská a.s.

MOTOR JIKOV Group a.s.

golf cart brake pedal Electric

gear box levers for Iveco van

Electrolux washing-machine hub

golf cart gas pedal Electric

brake and gas pedal assembly for golf cart GAS
SPECIAL MACHINING AND PRODUCTION DIVISION

- Tank holder for trucks
- Babtec sub-assemblies
- PALL filtration head
- Linde fork-lift truck hub
- Filtration system component
- PALL filter tank cover
truck air compressor  truck pressure regulator  truck condensation drain
CNG (compressed natural gas) filling station
SINGLE-PURPOSE MACHINES DIVISION – assembly, machining, testing, control
SINGLE-PURPOSE MACHINES DIVISION – automated assembly line camera system controlled robots
TOOLING DIVISION – aluminium and zinc die-casting molds, trimming tools
BMW back mirror holder

engine cylinder for garden equipment

ALPS component

Haldex component

engine belt oil lubrication cover

coupling plates

belt tensioners, pulley bracket

back mirror holder
Production - assembly

Daimler

Lamborghini

Audi

Audi

Daimler

VW
KURTZ AL 16-12 SR low-pressure die-casting machine

- max. mold dimensions 1600x1200mm
- min. mold height 600 mm
- weight of castings from 0.1kg to 20 kg
- max. furnace volume of 800 kg
- casting cycle of 4-6 minutes
- possibility of multiple filling

engine block
PROCESS SPECIFICATION

TYPES OF MATERIAL
- Silumin alloys (AlSi, AlSi7Mg, AlSi10Mg)
- Copper alloys (AlSi9Cu)
- Aluminium alloys

MOLDS
- Maximum dimensions 1600x1200
- Producers:  
  - KURTZ company
  - MOTOR JIKOV Fostron a.s.

CASTINGS WITH CORES:
- Various types of cores according to customers’ demands (sand, metal, wax, polystyrene)
- Cold box based production of cores – hot box technology

DOCUMENTS
- 2D documentation
- 3D documentation
FOUNDARY – DUCTILE AND GRAY IRON CASTINGS

vehicle stabilizer bracket  
boss axis  
hubs  
cardan joint  
golf cart axle element  
hydrostatic transmission piston
Thank you for attention