KARTPOL

TECHNIKA - PRECYZJA - JAKOŚĆ
TECHNIK - PRÄZISION - QUALITÄT
TECHNOLOGY - PRECISION - QUALITY
Section 1
Kartpol Group overview

Section 2
Wentworth Technologies Overview

Section
Amhil Enterprises - North America and Europe
  - Thermoforming
  - Injection Molding
Established 1996
- 40 employees
- 650 milo sold cartridges
- 42,000 Tons produced HDPE
- 100 customers
- 147 delivery points
- Main HDPE suppliers: Sabic, Basell, BP
Kartpol Group was founded in 1996 as a result of growing demand for packaging articles for sealants and adhesives in Poland and Eastern Europe.

The explosive growth of Kartpol Group had lead the company to become a market leader in several countries in short time.

1996-2001 – market research, built the customer relationship and developed understanding of the demand and expectations of the marketplace.

2000 – built modern factory in Wolomin - Poland with fully automated production process.
We have secured our leadership position in Polish and European markets by

- using modern technology solutions from Germany and Switzerland
- technology and infrastructure investments
- use of best quality of HDPE materials
- continuous improvement
- full control of the production processes,
- delivery of the products of the highest quality
- excellent communications with our customers
- on time delivery
3 consignment stocks for Henkel Group

- Hannover
- Winsford
- Paernu

Q2/3 2013 r. a new branch of the cartridges production line
Key pillars of the Kartpol Quality Policy

- Partner relationships with customers
- Qualified personnel
- Technological development of the company
Cartridges sale (mln pcs) 2007 - 2011 forecast 2012 and 2013
Nozzles sale (mln pcs) 2007 - 2011
forecast 2012 and 2013
The company is also printing house. The current equipment allows us to silk screen printing method to 6 colors. We use high quality paints and working with a company specialized in image processing and preparation of materials for printing. By working closely with the printing preparation, we are able to develop for you, in accordance with your wishes, the project design, as well as to adapt existing methods of silk screen themes. In this case we expect the data on the media materials in Corel Draw version 3 to 9, or suitable for screen printing films (max. print area: 180/153, 3 mm).
Cartridges for sealants and adhesives. Suitable for automatic filling, labelling and packaging.

Technical specification:
- Material: HDPE
- Volume: 310 ml
- Weight: 47 g +/- 1,0 g

Packaging unit:
- 140 pcs/box – 3360 pcs/pallet
- 64 pcs/bundle – 3456 psc/pallet

Możliwości produkcyjne
Rok / Production capacity per year
100 mln
Thin-wall cartridge for e.g. acrylic sealants. Cost-effective economical alternative for less sensitive materials.

Technical specification:
Material: HDPE
Volume: 310 ml
Weight: 41 g+/- 1,0 g

Packaging unit:
140 pcs/box – 3360 pcs/pallet
64 pcs/bundle – 3456 psc/pallet

Możliwości produkcyjne
Rok/ Production capacity per year
17 mln
CARTRIDGE  RG29 290 ml (THICK WALL 69g)

Thin-wall cartridge for e.g. acrylic sealants. Cost-effective economical alternative for less sensitive materials.

Technical specification:
Material: HDPE
Volume: 310 ml
Weight: 69 g+/- 1,0 g

Packaging unit:
140 pcs/box – 3360 pcs/pallet
64 pcs/bundle – 3456 psc/pallet

-Możliwości produkcyjne
Rok/ Production capacity per year
6 mln
Attached cap makes it possible to close cartridges that have been opened. The nozzle has a clip with which it is attached to the cartridge screw thread.

Technical specification:
Material: HDPE
Weight: 5,6 g +/- 0,25 g
Packaging unit:
1120 pcs/box – 33600 pcs/pallet

Możliwości produkcyjne
Rok/ Production capacity per year
95 mln
Suitable for automatic packaging. Colours: transparent, white, black, brown, grey, red. Others – special orders

Technical specification:
Material: HDPE
Weight: 4.2 g +/- 0.2 g
Packaging unit:
1120 pcs/box – 33600 pcs/pallet

Możliwości produkcyjne
Rok/ Production capacity per year

52 mln
STANDARD NOZZLE D-01

Technical specification:
- Material: HDPE
- Weight: $g \pm g$

Packaging unit:
- 2000 pcs/box – 60000 pcs/pallet

Możliwości produkcyjne
Rok/ Production capacity per year
19 mln
FOIL PACK NOZZLE DF

Technical specification:
  Material: HDPE
  Weight: g +/- g
Packaging unit:
  500 pcs/box – 15000 pcs/pallet

Możliwości produkcyjne
Rok/ Production capacity per year

5,5 mln
Technical specification:
Material: HDPE
Weight: g +/- g
Packaging unit:
1120 pcs/box
33600 pcs/pallet

<table>
<thead>
<tr>
<th>Product</th>
<th>Możliwości produkcyjne Rok / Production capacity per year</th>
</tr>
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<tbody>
<tr>
<td>K-02</td>
<td>45 mln</td>
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<tr>
<td>K-11</td>
<td>45 mln</td>
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<tr>
<td>GK-11</td>
<td>18 mln</td>
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</table>
OTHERS NOZZLES
FOR FOIL AND ALUMINIUM CARTRIDGES

AL-25  AL-26  AL-35  AL-50  AL-13  DF-51
Wentworth Technologies Overview
Wentworth Technologies

- Parent Company to Amhil Enterprises and Stone Straw
- Canadian owned private company.
- Assets in North America and Europe.
- Sales offices globally.
- Two major core competencies:
  1) Contract plastic processing in Thermoforming and Injection Molding
  2) Tool design and manufacturing to service the blow mold and injection mold industries AND in-house thermoforming requirements.

Solid base of experience servicing a wide range of applications working with many process technologies
INTRODUCTION
Wentworth Technologies Group

Mold Making

- Wentworth group is the # 4 mold maker in the world (# 2 in North America).
- The Wentworth Group is the # 1 independent blow mold maker in the World.
- Wentworth is the largest tool maker in Poland.
- 50 years experience as a leading designer and manufacturer of PET, Extrusion and Injection Blow as well as Injection Molds for the packaging industry.
- The leader in molds for the thin walled injection molded containers (e.g. promo cups, car cups).

A long history with deep experience in mold design and manufacturing for the plastics industry
### Wentworth Technologies Corporate Overview

<table>
<thead>
<tr>
<th>PROCESSING</th>
<th>TOOLING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PROCESSING</strong></td>
<td><strong>INJECTION MOLD GROUP</strong></td>
</tr>
<tr>
<td>Amhil Enterprises</td>
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<tr>
<td>Mississauga, Canada</td>
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<td>Burlington, Canada</td>
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<tr>
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<td>Kaj</td>
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<td>Kartpol</td>
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<tr>
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<td>Wolomin, Poland</td>
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Largest tool maker in Poland with 3 tool shops
- Poniatowa
- Rzeszow
- Bydgoszcz

Equipment expansion
- Major new equipment additions 2006, 07, 08, 09, 10
- Additional expansion planned 2011
# Tool Making Europe

<table>
<thead>
<tr>
<th>Location</th>
<th>Technologies</th>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wentworth Tech Central, Poland</strong></td>
<td>Blow Molds</td>
<td>Thin wall</td>
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<td>Injection Molds</td>
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<td>Injection Molds- PET</td>
<td>Consumer products</td>
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<td>• Poniatowa</td>
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<td>Containers</td>
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<td>• Bydgoszcz</td>
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<td>Preforms for blow molds</td>
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<td>• Rzeszow</td>
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<td>Bottles / Containers</td>
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<td><strong>Amtec, Germany</strong></td>
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<td>Automotive</td>
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Largest Tool Maker in Poland
Wentworth Tooling: Germany
High Precision / High Technology

- Amtec: Hohenwestedt, Germany
- Purchased from LEGO in 2002
- Medical industry
- Telecommunications
- Toy industry
- Electronic industry
- Consumer products
- Automotive
Our Products
Local Manufacturing/Global Support

- Technology transfer to Poland from Germany, Canada and the USA.

- Benefit from high technology and local low cost manufacturing.
Introduction
Plastic Processing

- Thermoforming, injection molding and blow molding contract manufacturing.
- Largest independent contract manufacturer of plastic disposable lids in the world.
- Leading independent contract manufacturer of plastic disposable foodservice products in North America and Europe.
- Partners with the world’s leading Food Service and Packaging companies. Worldwide market presence.

Over 30 years in Plastic Disposable Foodservice Products
Wentworth International Presence

- **BLOW MOLD – ONTARIO, CANADA**: Wentworth Mold, Hamilton
- **PRECISION INJECTION TOOLING, GERMANY**: Amtec GmbH
- **INJECTION TOOLING, POLAND**: Wentworth Tech Central, Bydgoszcz; Wentworth, Rzeszow
- **BLOW MOULD Poland**: Wentworth Tech, Poniatowa; Wentworth, Rzeszow
- **PLASTICS PROCESSING, Poland**: Amhil Europa, Bydgoszcz; Amhil Europa, Zarnowiec; KAJ, Dzialdowo; Suwary, Pabianice; Kartpol, Wolomin
- **INJECTION (PET) OHIO, USA**: Wentworth Mold - EFI
- **BLOW MOULD GROUP**: Sales & Service, China
- **BLOW MOULD GROUP**: Sales & Service, Singapore

**Blow Mold**
- Injection Mold & PET Tool Shops
- Plastics Processing
## Wentworth Deep & Broad Technical Competence in Plastics

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<th>Blow</th>
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<th>Thermoforming</th>
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Wentworth Group has the capability to be your “Full Service” Contract Plastic Supplier.
Amhil Enterprises – North America & Europe
- Thermoforming
- Injection Molding
AMHIL ENTERPRISES

AMHIL ENTERPRISES, Mississauga, Canada

AMHIL ENTERPRISES, Burlington, Canada

AMHIL EUROPA, Zarnowiec, Poland

AMHIL EUROPA, Bydgoszcz, Poland

A Network of Plastics Processing Capability Available to Service Your Needs
Amhil Products