



Mpact Plastics Wadeville

Analyst and investor site visit

15 & 16 November 2011

Overview

Raw materials

Wadeville	PET
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Staff numbers

Employees	155
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Capacity

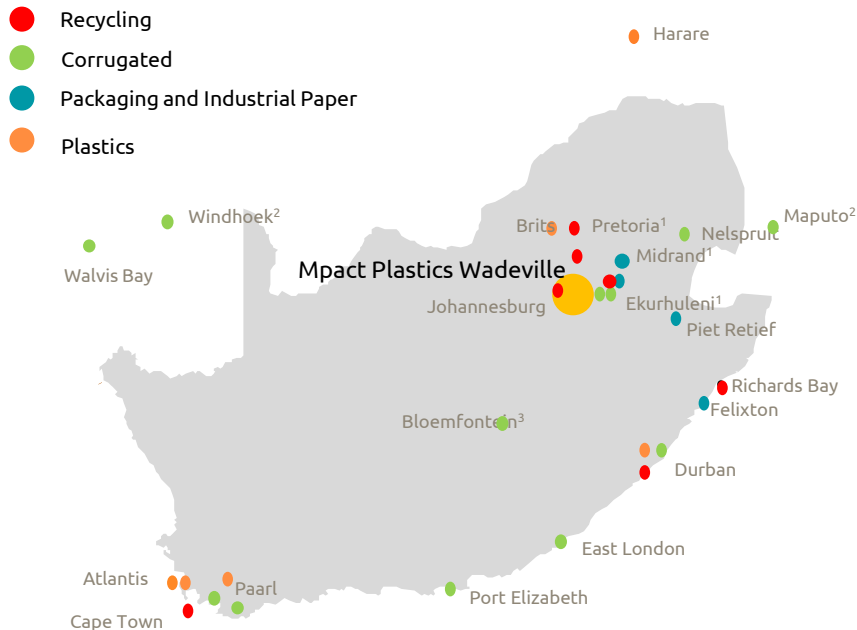
Wadeville	40,000 tonnes per annum
	1,6 billion units per annum

Products

Wadeville	Carbonated soft drink bottle preforms, Wide Mouth food jars, Hot Fill bottles
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Certifications/Accreditations

Wadeville	ISO 9001/2008
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Manufacturing process and products overview

- 106 product lines
 - Injection moulding – carbonated soft drink bottle preforms ; edible oil bottle preforms; general bottle preforms
 - Stretch blow moulding – Hot Fill preservative free and carbonated soft drink bottles; edible oil bottles
 - Injection stretch blow moulding – Wide Mouth food jars; specialised bottles; household detergents



Injection moulding

Equipment (8 machines):

- Husky Injection Moulding Systems machines, Luxembourg

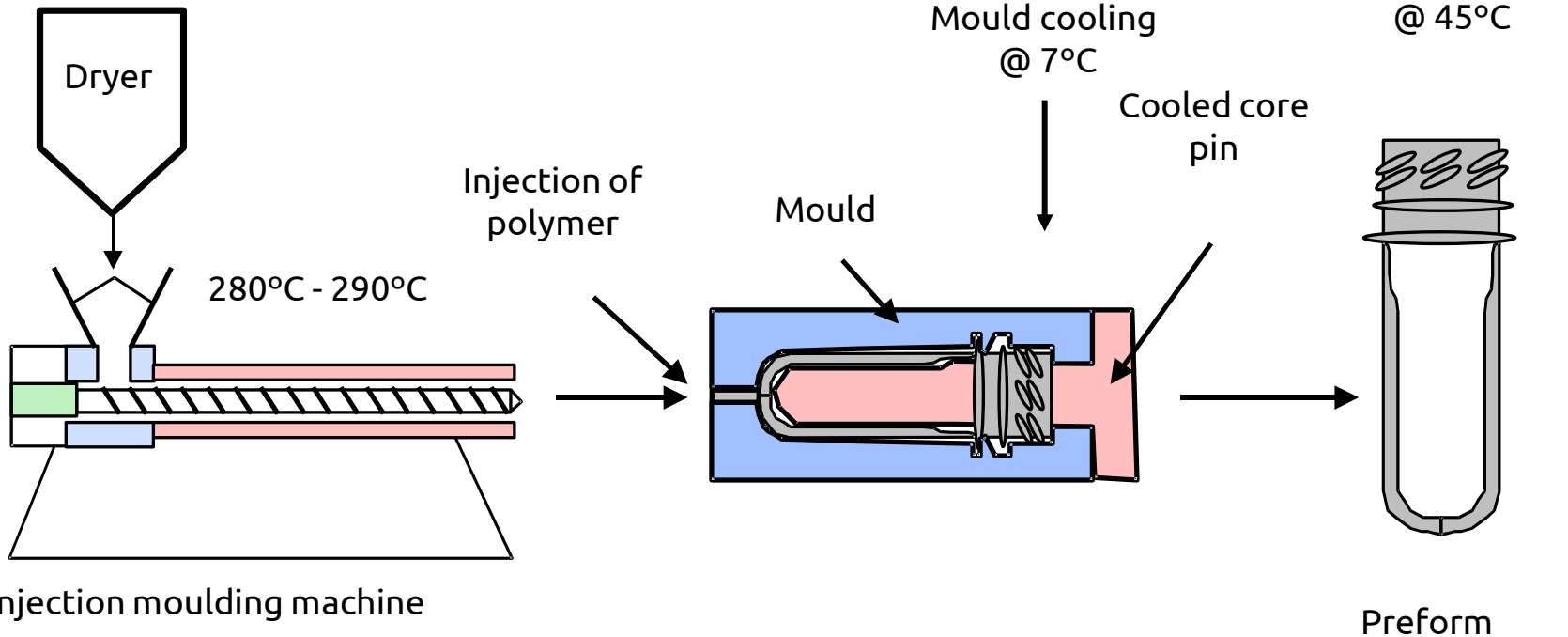
Description:

- 1 G Line machine, 48 cavity
- 1 X Line machine, 48 cavity
- 1 Hypet 300 machine, 72 cavity
- 1 Hypet 300 4.0 HPP machine, 72 cavity
- 4 Hypet 500 machines, 128 and 144 cavity



Injection moulding process

Resin drying = minimum 5 hr @ 180°C



Source: SANS Fibres Polymer Technical

Typical machine cycle = 900 000 preforms per machine per day

Stretch blow moulding

Equipment (6 machines):

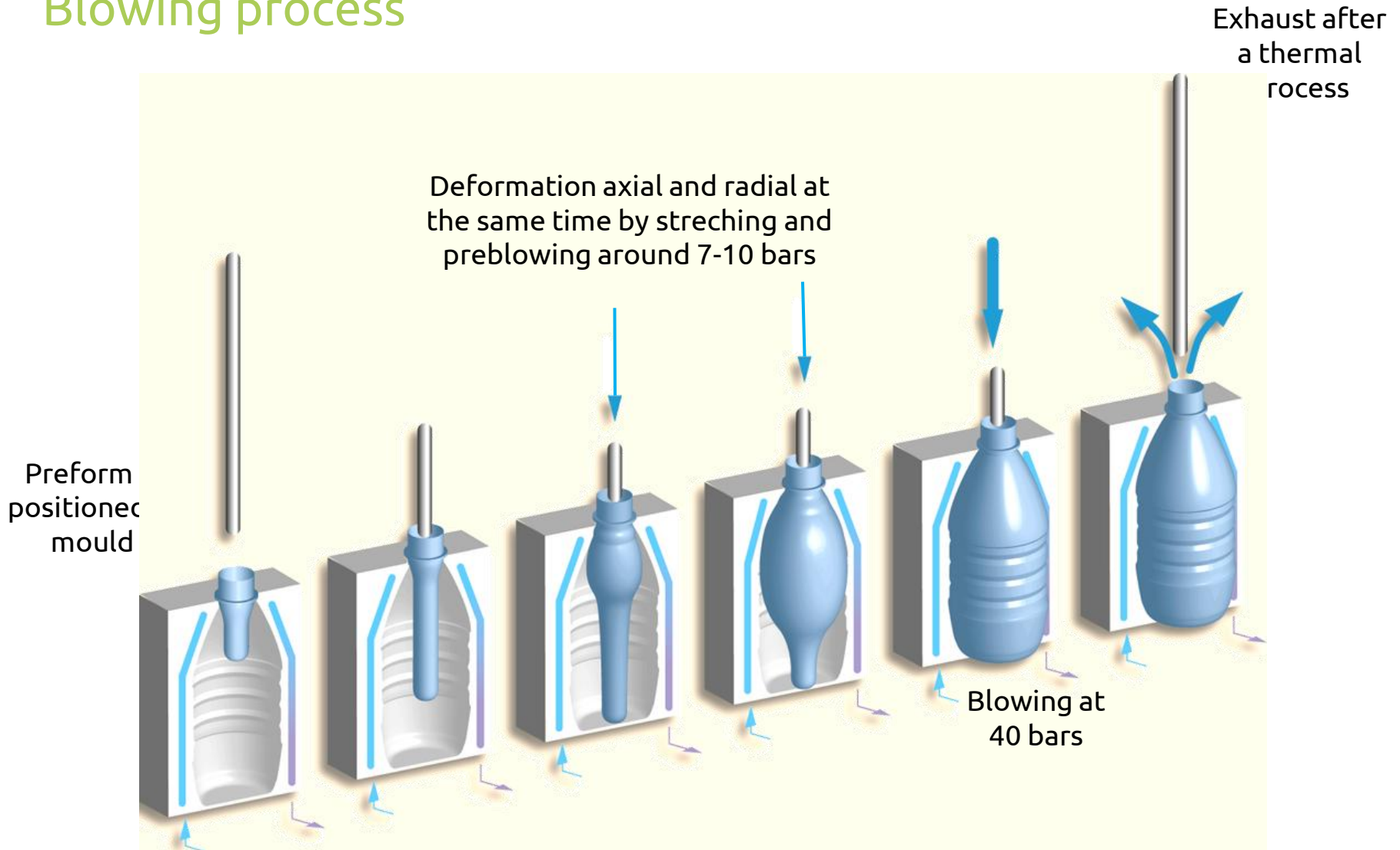
- Sidel rotary machines and moulds, France
- Sipa linear stretch blow moulding machine, Italy
 - Hot Fill technology (PET 2 stage blow moulding)
 - Enables preservative free product formulation

Description:

- 4 Rotary blow moulding machines, 2 by 2 cavity, 6 and 10 cavities
- 2 Linear stretch blow moulding machines, 4 cavities



Blowing process



Source: SANS Fibres Polymer Technical

Single stage blow moulding

Equipment (12 machines):

- Nissei wide mouth bottle machines, ASB Japan
- Aoki single stage machine, Japan

Description:

- 7 single stage wide mouth machines for jar manufacturing
- 5 single stage machines for bottle manufacturing



Combines the processes of injection moulding and stretch blow moulding in one machine

Innovation

- First to SA market with Wide Mouth design
- First to SA market with Hot Fill
- First to SA market with 144 cavitation
- First PET wine bottle in South Africa
- First in light-weight neck design in South Africa for carbonated soft drinks
- Design centre based in Cape Town

