

Curriculum Vitae

Ottmar Brandau

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Major Accomplishments:

- Project and process engineering
- Resin analysis and selection for applications
- Solid background in machine design and operation
- Training classes in-house and on-line
- Plant lay-out and start-up
- Troubleshooting of process problems
- Design of blow molded and injection molded parts including preforms
- Marketing studies for brand owners
- Both primary and ancillary machinery selection
- New plant layout and start-up
- Experienced plastics professional for blow molding and injection molding of preforms and closures
- Author of: "Stretch Blow Molding – A Hands-on Guide", now available in a third, enhanced edition
- Author of "Extrusion Blow Molding – a Comprehensive Guide", now in a second edition
- Co-author of "The Rapid Guide to Perfect Preforms"
- Co-author and editor of "Bottles, Preforms, Closures – A Design Guide for PET Packaging", now in a second edition
- Author of "The Rapid Guide to Perfect PET Bottles"
- Expert Witness in several cases
- Process and machine experience in the following fields:
 - Extrusion Blow Molding of a great number of materials
 - Single stage Injection Stretch Blow Molding of PET and OPP
 - Two stage Injection Stretch Blow Molding of PET, PLA, and OPP
 - Injection molding of preforms and closures
 - Product development and plastics science
 - Preform, bottle, and closure design
 - Machinery and controls development
 - Training of different levels of personnel in blow molding and injection molding of preforms both in-house and on-line
 - UN certification assistance for containers used to package hazardous materials
 - Contact with European and Asian machinery suppliers

- Statistical Process Control
- Speaker at conferences
- Articles published in trade magazines
- Work with computer simulation software for the blow molding process

WORK HISTORY:

7/2017 – now President of PET All Manufacturing Inc, importer and distributor of blow molding machinery and injection molds for preforms

1997 - now Work as independent consultant for the blow molding industry as president of Apex Container Tech Inc.

* I advise companies in the areas of:

- Productivity improvements
- Training of floor and office personnel
- Product development including preform design
- Container design development
- Assistance in machine selection
- Process assistance/troubleshooting
- Material selection including recycled material and bio resins
- Statistical process control
- Plant installation
- Plant operation including auxiliary equipment
- I troubleshoot both machines and process
- I run a website with practical tips for processors at:
www.blowmolding.org

1991 - 1997 Magic North-America Inc.

Technical Manager and Vice President Operations

* Started out to organize service, later ran the company and was involved in

- sales of blow molding machinery
- supervision of all personnel
- marketing and public relations
- container design developments
- machine developments
- customer relations

1988 - 1991 Husky Injection Molding Systems

Process Engineer

* Mostly involved in the development of the Integrated Two Stage Stretch Blow Molding program (ITS) with respect to machine, product development and container design

* Injection molding of preforms and caps

* Gained strong knowledge of all aspects of process engineering

1986 - 1987 Rober Industrieroboter GmbH, Berlin, Germany
Project Engineer
* Led a design team for various industrial packaging robot applications

1979 - 1983 Bekum Maschinenfabriken GmbH, Berlin, Germany
Service Engineer
* Field work for extrusion blow molding machinery and product development

1976 - 1979 Hugo Reinz GmbH, Berlin, Germany
Completed apprenticeship for Tool and Die Maker

1974 - 1975 Military Service

EDUCATION:

1989 - 1991 Humber College, Ontario
Certificate in Digital Electronics

1983 - 1986 State Technical College, Berlin, Germany
Degree in Mechanical Engineering

1966 - 1974 Theodor Heuss High School, Heilbronn, Germany
Grade 13 Diploma

Legal Experience:

Client Plastipak

Case Plaintiff versus CG Roxane

Dates: Ongoing 2022

Service: Reporting, one deposition

Counsel Fish & Richardson P.C. Boston, MA

Client Bomatic Inc

Case Plaintiff versus Millacron

Dates: Ongoing 2022

Service: Reporting, one deposition

Counsel English & Gloven, San Diego, CA

Client Plastipak
Case Plaintiff versus Premium Waters
Dates: Ongoing 2022
Service: Extensive reporting
Counsel Fish & Richardson P.C. Boston, MA

Client Plastipak
Case Plaintiff versus Niagara Water
Dates: 2018
Service: Extensive reporting, two depositions
Counsel Fish & Richardson P.C. Boston, MA

Client: Maxchief Investments LTD
Case: Defendant versus Lifetime Products Inc
Dates: 2016 to 2017
Service: Extensive reporting, two depositions, testified at arbitration hearing in San Francisco
Counsel: Baker McKenzie Dallas, TX

Prior to 2014

Seitz vs. KHS/Norgren patent validation: Extensive reporting, testified in London High Court; case won in the most important aspects

Yakult vs. Win Soon: patent infringement; reporting; case settled before trial

Avramento vs. State of Washington personal injury: reporting; case settled before trial

Consolidated vs. Vanga: product liability: extensive reporting; case settled before trial

Evian vs. Nestle patent infringement: reporting; case settled before trial

Publications and Patents

- US Patent #5,238,389 Apparatus for preparing a hollow plastic article
- US Patent #9,346,585 Modular interlocking containers
- "Solving Four Common Problems in PET Stretch Blow Molding",
Plastics Technology February 2016
- "Clamp Tonnage Control in PET Preform Molding", Canadian Plastics,
November 2017
- "Ten Tips to Slash Cycles in PET Preform Molding", Plastics
Technology, May 2015
- "How to Address Uneven Wall Thickness in Stretch Blow Molding",
Plastics Technology, October 2014
- "Single or Two-Stage PET Bottle Making", Plastics Technology,
February 2014
- "Monitoring Parameters External to Blow Molding Improves the
Bottom Line", Presentation at the Blow Molding Conference of the
Society of Plastics Engineers, October 2013
- "Even Wall Thickness in Extrusion Blow Molding", Plastics Technology,
December 2013
- "The Money is in the Resin", Canadian Plastics, October 2012
- "Challenges in Stretch Blow Molding with Indexing Machines", Plastics
Technology, May 2012
- "Barrier Improvement Technologies in the Age of Light Weighing",
Presentation at the Novapak conference, February 2010

OTHER:

Member of the Society of Plastic Engineers

Member of Mensa Canada

Listed with Guideline Expert Database as expert in Plastics Packaging

Listed with Round Table Group Expert Database as expert in Plastics Packaging

Keyword Summary:

Comprehensive experience in the plastics container-making field, packaging materials, design, marketing, advanced computer knowledge, fluent in German ,some French, some Spanish, expert witness, sales, project engineering, training, team work, PET, HDPE, PP, LDPE, PVC, PC, ABS, Nylon, bottles, preforms, blow molding, injection molding