Internship at Granco Clark Worldwide

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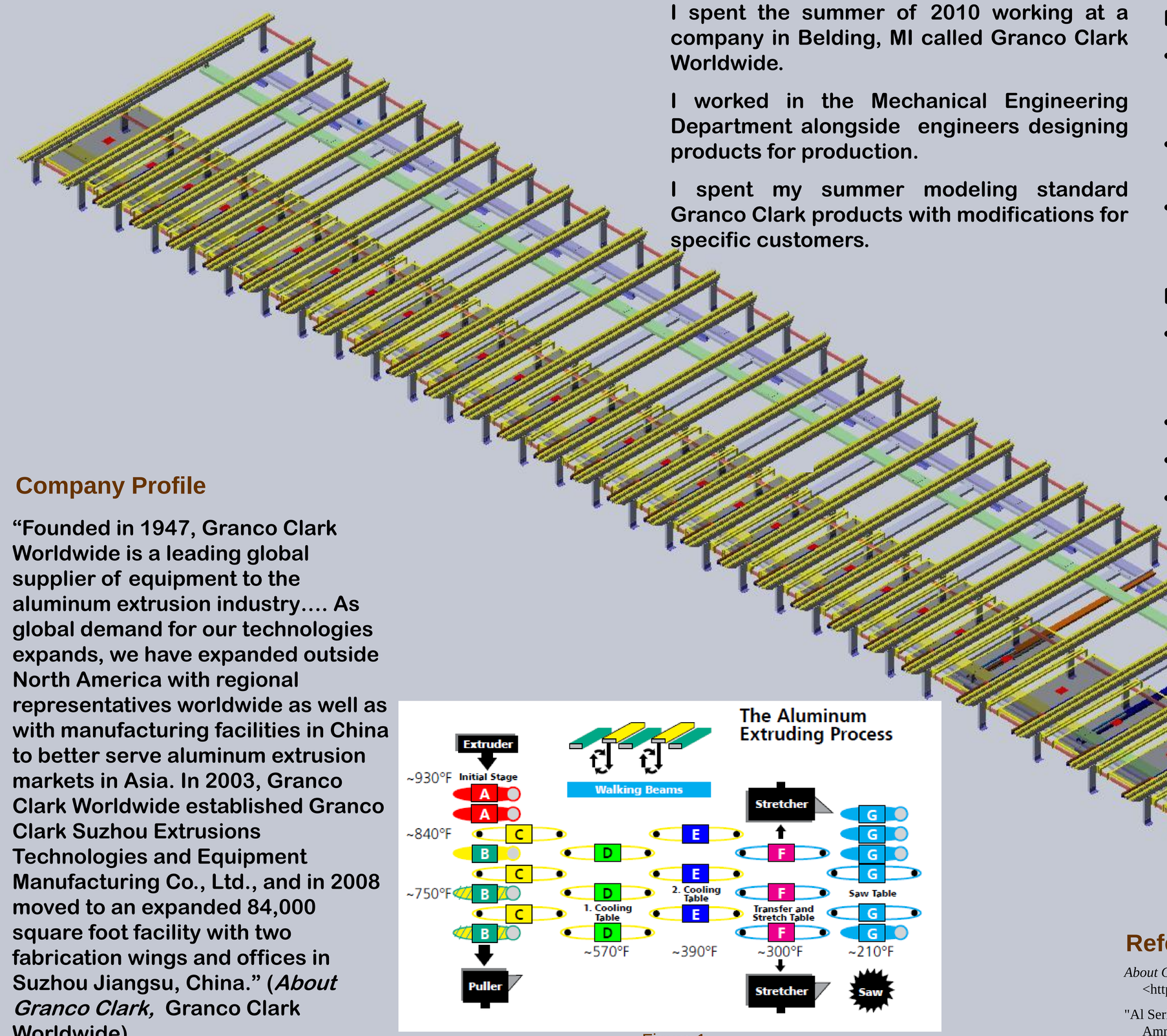

Abstract

I spent the summer of 2010 working at a company in Belding, MI called Granco Clark Worldwide.

I worked in the Mechanical Engineering Department alongside engineers designing products for production.

I spent my summer modeling standard Granco Clark products with modifications for specific customers.

Company Profile

"Founded in 1947, Granco Clark Worldwide is a leading global supplier of equipment to the aluminum extrusion industry…. As global demand for our technologies expands, we have expanded outside North America with regional representatives worldwide as well as with manufacturing facilities in China to better serve aluminum extrusion markets in Asia. In 2003, Granco Clark Worldwide established Granco Clark Suzhou Extrusions Technologies and Equipment Manufacturing Co., Ltd., and in 2008 moved to an expanded 84,000 square foot facility with two fabrication wings and offices in Suzhou Jiangsu, China." (*About Granco Clark,* Granco Clark Worldwide)

Figure 1

The Aluminum Extrusion Process *(Al Series Materials*, Ammeraal Beltech)

Projects and Responsibilities

Projects

- My first large project for the summer was a set of stretcher in-feed belts. (See Figure 1)
- My second project was an overhead cooling system for an extrusion system.
- My last project (and is still active at the time of publication) is a traversing beam table. (See background)

Responsibilities

- Receive Job folder from project manager detailing the specifications for the equipment sold to the customer
- Model the equipment in Solidworks
- Make drawings for manufacturing
- Participate/Lead meetings concerning projects

References

About Granco Clark. Granco Clark Worldwide, n.d. Web. 5 Oct. 2010. <http://www.grancoclark.com/aboutus/aboutus.html>.

"Al Series Materials." *Al Series Products for the Aluminum Extrusion Industry*. Ammeraal Beltech, 2007. Web. 5 Oct. 2010. <http://www.ammeraal-beltechusa.com/enTouchCMS/FileUplFolder/AlSeries_0410.pdf>.

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