

HAN Master Major Project

Major Project Plan

Using FANUC R-2000iC/210F (6-axis robot) for improved efficiency in FRC parts formation

Student Number: 617931

Name: Karl Wallkum

Track: Master Control Systems Engineering

Company: HAN Smart Production Cell (IPKW)

Supervisors: Nguyen Trung, (Company Supervisor)
Wesselingh Ellen, (HAN Supervisor)

Date: 03/12/2019

HAN Smart Production Cell (IPKW)

Contents

1	Background	2
	Appendices	3
A	Appendix 1	4
B	Appendix 2	4

title

The goal of this assignment is to ..
texttexttext



Table 0.1: caption

texttext as seen in Table 0.1 texttext.

Testimage

Figure 0.1: Y vs X

Background

References

- [1] Jens and Timo Jacobs Lubbers. *Smart X-Cell Production SYSTEM REQUIREMENTS DOCUMENT*. Tech. rep. HAN automotive Research, Jan. 2015.
- [2] C.A. Lawrence. *High Performance Textiles and Their Applications*. Jan. 2014, pp. 1–437.
- [3] Angela Madeo. *Generalized Continuum Mechanics and Engineering Applications*. Elsevier Science, Sept. 2015. ISBN: 9781785480324.
- [4] nimrodplastics. *Bakelite*. URL: <http://www.nimrodplastics.com.au/product-bakelite.htm>.
- [5] S.J. Park and M.K. Seo. *Interface Science and Composites*. Interface Science and Technology. Elsevier Science, 2011. ISBN: 9780123750495. URL: <https://books.google.nl/books?id=DewhZ53WgLwC>.
- [6] Zohaib Sultan et al. *Advanced Dental Biomaterials*. June 2019. ISBN: 9780081024768.
- [7] George Voyiadjis and Peter Kattan. *Advances in Damage Mechanics: Metals and Metal Matrix Composites With an Introduction to Fabric Tensors*. Jan. 2006. DOI: 10.1016/B978-0-08-044688-2.X5000-0.

Appendices

Appendix 1

Appendix 2
