

SURNAME, Name	MÄKELÄ, <u>Jari</u> Tapio
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Date of Birth	15.2.1985 in Lahti, Finland
Marital status, children	Cohabitation, Daughter and Son
Nationality	Finnish

**PROFESSIONAL EXPERIENCE, Design engineering**

12/2013 - present

Entrepreneur, Founder

Keijom Oy, Pirkkala, Finland

Hydraulic design, mechanical design, 3D-modeling, product development, technical calculations, creative solutions for technical problems, 3D-printing, project engineering and management

04/2012 - 12/2013

Hydraulic design engineer

Sandvik Mining and Construction Oy, Tampere, Finland

Hydraulic and pneumatic design of one product family, including system design, component selection, documentation, supporting prototype and series production

01/2012 - 04/2012

Mechanical design engineer

05/2011 - 08/2011

Dinsto Oy, Tampere, Finland

Designing steel structures, calculating strengths and producing manufacturing drawings, collaboration with final customers

10/2009 - 01/2011

Mechanical design engineer

Stonego Oy, Tampere, Finland

Product development of construction robot, mechanical design, hydraulic design, prototype and quality engineering

PROFESSIONAL EXPERIENCE, Production worker

11/2008 - 08/2009

CNC-machinist

Parker Hannifin Oy, Tampere, Finland

Machining hydraulic blocks

05/2007 - 10/2008

CNC-machinist

Johnson Metall Oy, Pirkkala, Finland

Machining brass sliding bearings, developing work methods

07/2006 - 12/2006

Ball valve production trainee

04/2005 - 07/2005

Vexve Oy, Sastamala, Finland

07/2001 - 08/2001

Testing, assembling, operating hydraulic press, cnc-machining

06/2004 - 08/2004 **Machinist**
06/2003 - 08/2003 Sisu-Diesel Oy, Linnavuori, Finland
06/2002 - 08/2002 Machining with relay controlled milling machine

SPECIAL PROFESSIONAL SKILLS, Computer skills

3D and 2D SolidWorks, Inventor, NX, Vertex 4G, Vertex HD, DWG Editor
PDM TeamCenter, Custom Tools, Solid PDM, Vertex FLOW
Technical calculation MathCad, SolidWorks Simulation (FEM), Matlab, Simulink

SPECIAL PROFESSIONAL SKILLS, Technical knowledge

Pneumatic High pressure compressor applications, two stage screw compressors
3D-modelling Parametric modeling
3D-Printing Plastic 3d-printing technologies and design

EDUCATION

2006 - 2015 **Master of science (including a Bachelor's degree)**
(non-graduated) Mechanical engineering, Tampere University of Technology, Tampere, Finland
Major : Hydraulic and automation
Minors : Machine design, Applied mechanics
Exchange semester, Brno University of Technology, Brno, Czech Republic

2001 - 2005 **Matriculation**
Upper secondary school of Vammala, Sastamala, Finland

2001 - 2004 **Basic examination of machine industry / Machinist**
The vocational college of Vammala, Sastamala, Finland

LANGUAGE SKILLS

Finnish Native
English Fluent

OTHER

Computer skills Windows, c++, Excel VBA, Word, Excel, Power Point, Outlook, Lotus notes, Gimp,

Military Service Lieutenant
07/2005 - 07/2006 The armoured brigade, Parolannummi, Finland
The reserve officer school, RUK227, Hamina, Finland

Other interests Ice-hockey, reading, skiing

Pirkkala, 13.3.2017



Jari Mäkelä