



HOMETRICA CONSULTING provides expert assistance on issues regarding 3D human body scanning, human body measurement and surface digitization.

[www.hometrica.ch](http://www.hometrica.ch)



[www.3dbodyscanning.org](http://www.3dbodyscanning.org)

- Company:** Individual company, Principal: Nicola D'Apuzzo, Ph.D.  
Founded: April 2004 (in Zurich, Switzerland)  
Location: Ascona, Switzerland
- Activities:** Technical consulting in the field of human body measurement, surface digitization and 3D scanning.
- Consulting:** Feasibility studies, product recommendation, market analysis, business development, project planning and management, technology information.
- Conferences:** Organization of international conferences, technical exhibitions, thematic and regional workshops on 3D Body Scanning Technologies.
- Sectors:** Medicine, anthropometry, ergonomics, fashion, apparel, beauty, cosmetics, fitness, sport, computer graphics, animation, biometry, security, arts, sculpture, I.T., communications and others.
- Customers:** So far, more than 100 international customers; among them more than 30 manufacturers of 3D scanners, equipment and solutions.

# Main Areas of Expertise

## Technologies for 3D Human Body Scanning and Measurement

- 3D White Light and Laser Scanning
- Active and Passive Photogrammetry
- Low Cost and RGB-D Sensors
- Visual Hull, Silhouette Extraction
- ToF and other Active Methods
- 3D Dynamic and 4D Scanning
- 3D Modeling, 3D Data Processing
- 3D Visualization, 3D Avatars



## Fields of Applications

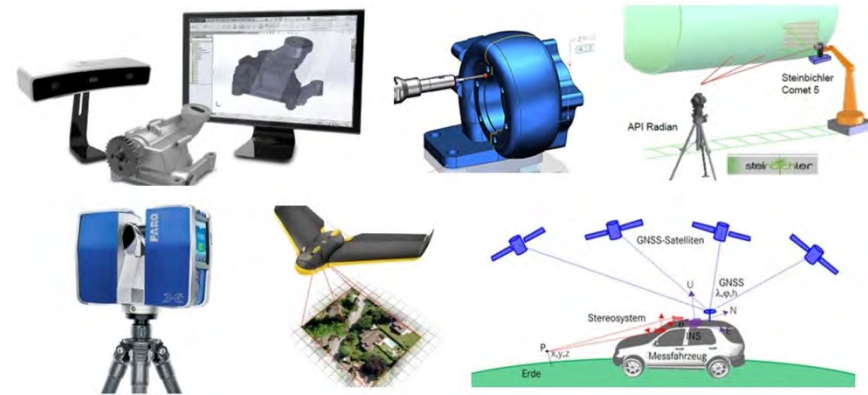
- Medical and Forensic Sciences
- Textile, Apparel, Fashion
- Beauty, Cosmetics
- Ergonomics, Anthropometry
- Sport, Fitness
- Biometry, Security
- Computer Graphics, Animation
- Arts, Sculpture, 3D Printing
- Communications



# Additional Areas of Expertise

## 3D Surface Digitization

- Industrial Measurement Systems
- TLS, UAV, MMS Scanning
- Digital Photogrammetry
- Technologies for 3D Scanning



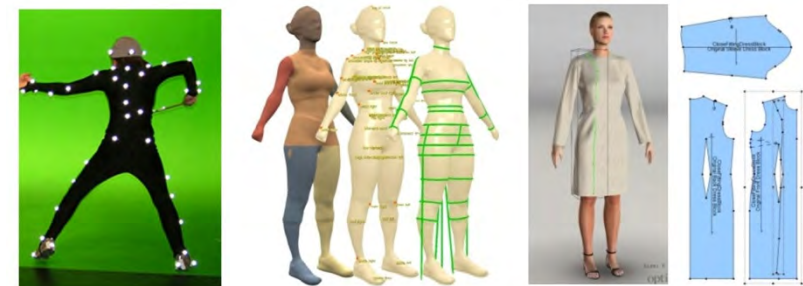
## Data Processing

- 3D Processing , 3D Modeling
- 3D Visualization, Virtual Reality
- 3D Printing, Rapid Prototyping
- Machine Vision, Image Processing



## Others Topics Related to Human Body

- MOCAP Motion Capture Systems
- Virtual-Try-On Solutions
- Body Size Extraction
- Biometric Solutions





## Technology Consulting

- Feasibility and Evaluation Studies
- Products Recommendation
- Analysis and Survey of the Market
- Technology Information



## Equipement Selection

- 3D Human Body Measurement/Scanning Systems
- 3D Scanners and 3D Scanning Software
- Application Software (e.g. Virtual-Try-On Solutions)



## Conference Organization

- International Conferences and Exhibitions on 3D Body Scanning Technologies
- Regional and Thematic Workshops



# Conferences, Workshops, Exhibitions



1<sup>st</sup> International Conference on  
3D Body Scanning Technologies  
19-20 Oct. 2010, Lugano, Switzerland

2<sup>nd</sup> International Conference on  
3D Body Scanning Technologies  
25-26 Oct. 2011, Lugano, Switzerland

1<sup>st</sup> Asian. Workshop on  
3D Body Scanning Technologies  
17-18 Apr. 2012, Tokyo, Japan

3<sup>rd</sup> International Conference and Exhibition on  
3D Body Scanning Technologies  
16-17 Oct. 2012, Lugano, Switzerland

4<sup>th</sup> International Conference and Exhibition on  
3D Body Scanning Technologies  
19-21 Nov. 2013, Long Beach (CA), USA

5<sup>th</sup> International Conference and Exhibition on  
3D Body Scanning Technologies  
21-22 Oct. 2014, Lugano, Switzerland

6<sup>th</sup> International Conference and Exhibition on  
3D Body Scanning Technologies  
27-28 Oct. 2015, Lugano, Switzerland

7<sup>th</sup> International Conference and Exhibition on  
3D Body Scanning Technologies  
30 Nov.-1 Dec. 2016, Lugano, Switzerland

Website: [www.3dbodyscanning.org](http://www.3dbodyscanning.org)



# Some References – Examples of Customers

CardioCentro Ticino, Switzerland

Technology consulting, 2015-2016

3D full body scanning, body measurement extraction



The Modern Mirror Inc., Canada

Technology consulting, 2011, 2014-2016

3D face and full body scanning, MOCAP, virtual-try-on



TOPCON Corp., Japan

Technology consulting, technology information, 2004-2015

3D measurement and scanning, 3D data processing, geomatics



Sanoh Industrial Co. Ltd., Japan

Technology consulting, 2015

3D scanning technologies for industrial applications



IGP – ETH Zurich, Switzerland

Teaching, 2010-2013

Human body scanning, digital photogrammetry



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

# Some References – Examples of Customers

L.E.K. Consulting, USA

Technology consulting, technology information, 2013  
3D scanning technologies for metrology applications



Disney Research Zurich, Switzerland

Market analysis, 2012  
Stereo photogrammetric scanning system



corpus.e AG, Germany

Market analysis, 2011  
Full body laser scanning system



Polishape 3D – Politecnico di Bari, Italy

Technology consulting, market analysis, 2011  
3D face scanning system for medical applications



Innostarter AG, Switzerland

Market analysis, 2010  
Low cost scanning system



ESSILOR, France

Technology consulting, technology information, 2009  
3D face scanning system





# Some References – Examples of Customers

True Vision Systems Inc., USA

Technical consulting and development, 2009

Stereo camera system mounted on surgical stereo microscope



Carl Zeiss Vision GmbH, Germany

Feasibility study, 2008

Complete 3D measurement system for the face



Decathlon SA, France

Product recommendation, 2008

3D scanning of full body, head, hands



Sirona Dental Systems GmbH, Germany

Technology consulting, 2007

Photogrammetric methods for the measurement of teeth



IFTH, France

Feasibility study, product recommendation, 2007

3D full body scanning system for infants



Innsbruck Medical University, Austria

Technology consulting, 2006

4D scanning system for 3D tracking of brain surface



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