Introduction of the Companies and Product Line
Company Introduction

Established: 1991

Location: Brno, Czech Republic

Czech company focused on development, production and sales of Scanning Electron Microscopes.

Company was founded in 1991 by a group of 5 R&D engineers of the State Enterprise TESLA Brno with capital 100 000 CZK.
Brno is the second largest city in the Czech Republic

- Traditional center of industry and commerce and Central European trade fairs
- 6 Universities with 27 faculties and about 80,000 students
- Origin of world-famous researchers
- 9 Institutes of Academy of Science
- Location of other SEM manufacturers
Over 60 years tradition of electron microscopy in Brno

The first TEM assembled at the Technical University of Brno at the end of the 1940's

TESLA Brno - introduced the first commercial TEM in 1953 and becomes the leading manufacturer of Electron-Optical Devices in Eastern Europe in the 2nd half of the 20th century

The Tesla BS-242 TEM was awarded the gold medal at the World Exhibition in Brussels in 1958

Tesla Brno manufactured over 3 000 devices (TEM + SEM) during four decades of its existence

TESCAN was founded by former scientists, engineers and managers of Tesla Brno

TESCAN is one of the companies successfully continuing the electron microscopy tradition in Brno
TESCAN History

Key dates:
- **1991** TESCAN, s.r.o. established
- **1999** VEGA SEM introduced
- **2005** MIRA Schottky FE-SEM introduced
- **2007** LYRA FIB-SEM introduced
- **2009** Chinese branch established
- **2010** Third generation of TESCAN SEMs introduced
  - Acquisition of TESCAN USA
  - CEO Jarsolav Klíma named the Entrepreneur of the Year 2009 in South Moravian Region
- **2011** FERA3 and TIMA introduced
  - 1000 SEM installed & ISO certification
- **2012** CEO Jaroslav Klíma named the Entrepreneur of the Year 2011 in the South Moravian Region
- **2013** TESCAN-UK Ltd. established
  - Merger of TESCAN and ORSAY PHYSICS => TESCAN ORSAY HOLDING, a.s.
  - New subsidiary TESCAN Brno, s.r.o. established
  - MAIA3 introduced
- **2014** GAIA3 and RISE introduced
- **2015** XEIA3 and Q-PHASE introduced and Tescan do Brasil established
TESCAN History

1991
Foundation of the company

1999
Thermo Emission SEM

2005
Field Emission SEM

2008
FIB/SEM

2013
Merger of TESCAN and ORSAY PHYSICS
Company structure

TESCAN Team

384 employees totally
245 in Brno
30 China
30 in USA
5 in France
3 in UK
5 in Brazil
1 in Belgium
40 in Orsay Physics
10 in Biphy Research
15 in AppFive
Vision

Further development for new ventures
New production facility
Product Portfolio

Thermo emission SEMs
- VEGA3

Field emission SEMs
- MIRA3
- MAIA3

FIB-SEMs
- LYRA3
- FERA3
- GAIA3
- XEIA3
Main Applications segments

- **Material science**
- **Life Sciences**
- **Semiconductor & Nanotechnology**
- **Earth science**
New Ventures

- UHV microscopy (Nano Space)
Product Portfolio

New Ventures

- Light microscopy (Q-Phase)
New Ventures

Transmission microscopy
(TEM – prelaunch December 2016)
References - nearly 2000 installations

Universities and education

Max-Planck-Gesellschaft
Princeton University
University of Idaho
University of Florida
Lock Haven University
Harvard University
Vanderbilt University
University of Arkansas
Imperial College London

Carnegie Mellon University
University of California, Berkeley
EMPA
Carnegie Museum of Natural History
References - nearly 2 000 installations

Government
References - nearly 2 000 installations

Industry

- Porsche
- IBM
- Boeing
- STI
- Sanofi
- Bosch
- Antonov
- LG
- Samsung
- Hyundai
- Siemens
- Honeywell
Certificates
TESCAN ORSAY HOLDING, a.s.
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Introduction of Tescan do Brasil

December 2015
TESCAN presence in the Brazilian Market:

From nov. 2011 until oct. 2015:

As exclusive distributor

From nov. 2015 on,

As exclusive after-sales support and keeping Shimadzu do Brasil as a non-exclusive distributor until 31.03.2016 (transition period)
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Rua José Versolato, 111 Boulevard, loja 7
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TDB’s facility

- Reception
- Training room
- Customer’s meeting room
- Sample preparation room
- Application lab.
TDB’s team

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Sales & Administrative Director

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Sales & Technical Director

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Administrative Supervisor

Leandro.costa@tescan-brasil.com
Service Manager

Daniel.richter@tescan-brasil.com
Service Technician

Application Specialist

Salesman

Salesman

Within 2016!
TESCAN & Brazilian EM Market
TESCAN in Brazil

TESCAN's customers - by segments

- University: 62%
- Technical school: 22%
- Gov. Research center: 8%
- Private company: 8%

University
Technical school
Gov. Research center
Private company
TESCAN & our references
THANK YOU FOR ATTENTION.