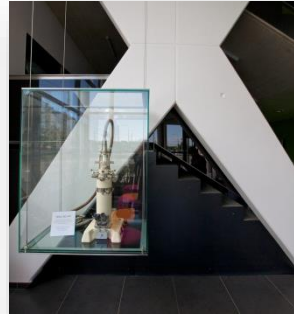


Introduction of the Companies and Product Line

December 2015



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



First electron
microscopes
produced in Brno
Tesla BS241
(1951),
Tesla BS242
(1954)



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**

1991



Foundation of the company

1999



Thermo Emission SEM

2005



Field Emission SEM



2008



FIB/SEM

2013



Merger of
TESCAN and ORSAY PHYSICS

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

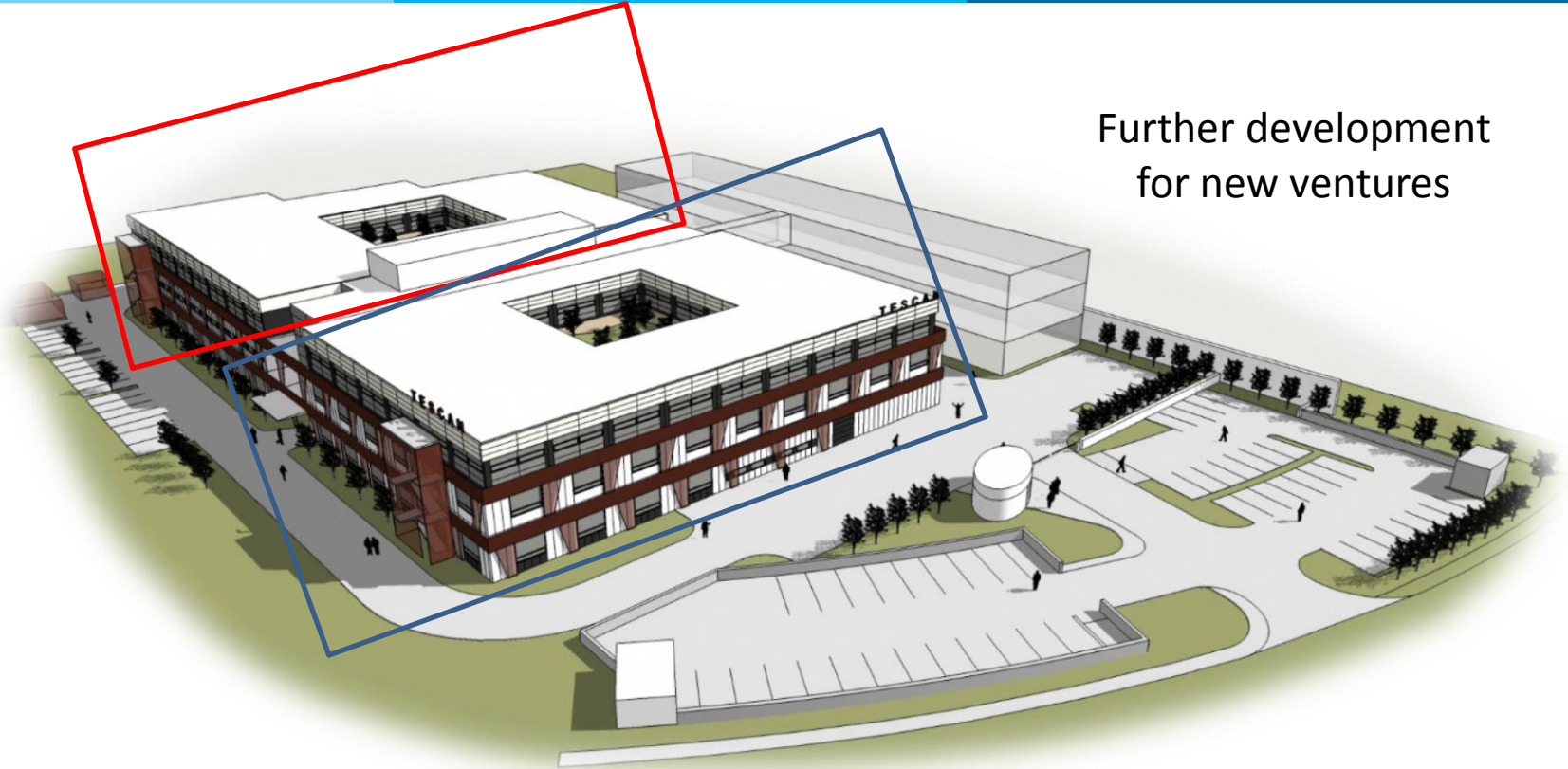
10 in Biophy Research

15 in AppFive



APPFIVE





Further development
for new ventures



New production
facility



**Thermo emission
SEMs**

VEGA3



Field emission SEMs

MIRA3



MAIA3



FIB-SEMs

LYRA3



FERA3

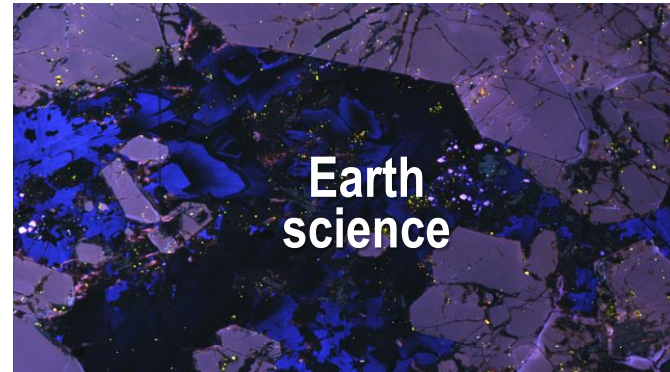
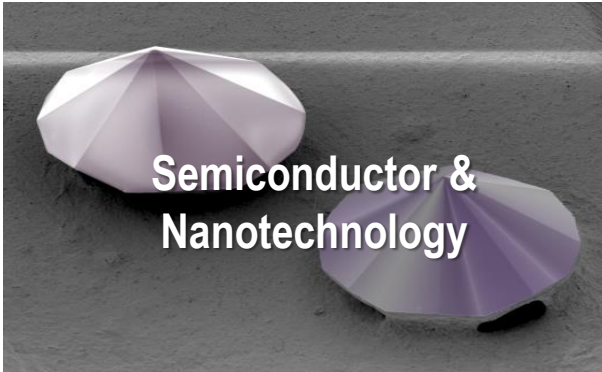
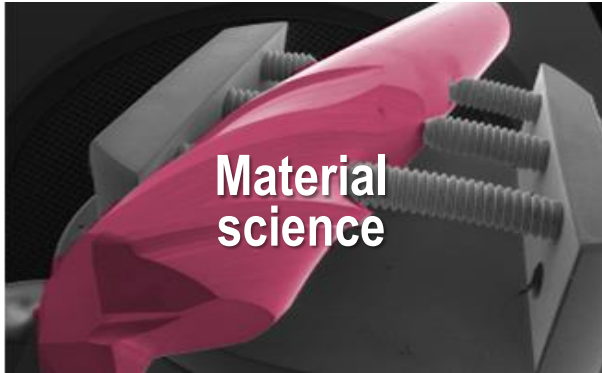


GAIA3



XEIA3

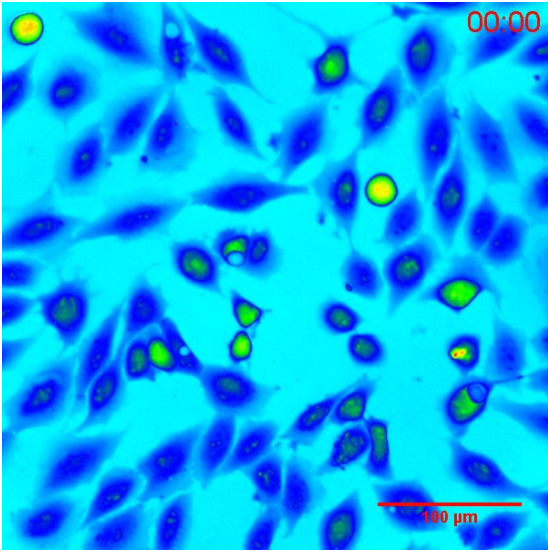






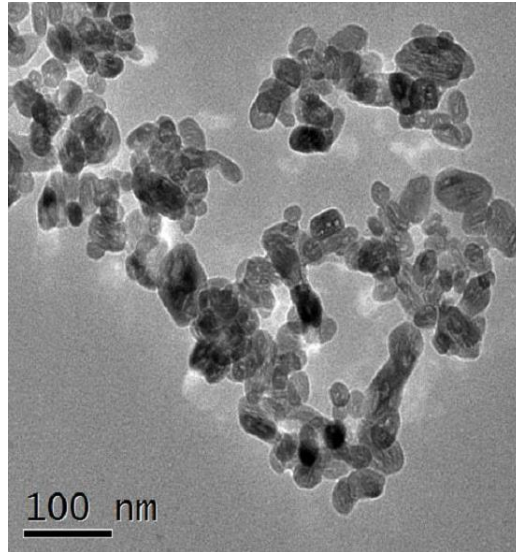
New Ventures

- UHV microscopy (Nano Space)



New Ventures

- Light microscopy (Q-Phase)



New Ventures

- Transmission microscopy
(TEM – prelaunch December 2016)

References - nearly 2 000 installations

Universities and education



MAX-PLANCK-GESELLSCHAFT



PRINCETON
UNIVERSITY

University of Idaho



 **Lock Haven University**
Follow Your Passion & Embrace Your Possibilities

VANDERBILT UNIVERSITY



MICHIGAN STATE
UNIVERSITY



HARVARD
UNIVERSITY



Imperial College
London



EMPA

CARNEGIE
MUSEUM OF
NATURAL
HISTORY

References - nearly 2 000 installations

Government



References - nearly 2 000 installations

Industry



SANOFI



SIEMENS



Honeywell

TYPE CERTIFICATE

Registration Number 02.500.650

Issued for the producer:
TESCAN, a.s.
 Libušina 9/ 21
 623 00 Brno
 Id. number: 41600240

For the product:
 Name: Scanning Electron Microscope
 Type: MIRA 3
 Modification: LMU, LMU, XMU, XMU, CMU, CMU
 Place of production: TESCO, a.s., Libušina 9/ 21, CZ - 623 00 Brno

at which the certification according to the certification scheme, decision of government No. 17/2002 Coll. (S. 1), is in full conformity with the certification system of the TÜV SÜD Czech rep. which results are given in the Evaluation Report No. 20050V/037/02E from 27 December 2010.

The product type mentioned above fulfils the applicable requirements of following regulations/standards which was the basis for its evaluation:
 ČSN EN 6197:1995, ČSN EN 60924:2007, ČSN EN 6187:1995, ČSN EN 12196:1995, ČSN EN 60924:2007, ČSN EN 60922:2006, ČSN EN ISO 12196-2:2006/EN ISO 12196-2:2003

This certificate is valid till **January 09th, 2016**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 1 page.

Prague, January 09th, 2011

TÜV SÜD Czech s.r.o. • Husovská 94 • 102 01 Prague 4 • Česká Republika • info@tuv.cz • 12374

CERTIFICATE

The Certification Body for the Environmental Management System No. 2003
 TÜV SÜD Czech s.r.o.

certifies that

TESCAN, a.s.
 Libušina 9/ 21
 CZ - 623 00 Brno
 Id. No. 41600240

has established and applies the Environmental Management System for

design, development, manufacture, sales, installation and service of scanning electron microscopes and related supplementary accessories

An audit was performed. Report No. 018190/10/EMA.ZC
 Proof has been furnished that the requirements according to

ČSN EN ISO 14001:2005

are fulfilled. This certificate is valid until **18.11.2013**
 Certificate Registration No. 02.291.134

Prague, 18.11.2013

TÜV SÜD Czech s.r.o. • Husovská 94 • 102 01 Prague 4 • Česká Republika • info@tuv.cz • 12374

CERTIFICATE

The Certification Body for the Quality Management System No. 2003
 TÜV SÜD Czech s.r.o.

certifies that

TESCAN, a.s.
 Libušina 9/ 21
 CZ - 623 00 Brno
 Id. No. 41600240

has established and applies a Quality Management System for

design, development, manufacture, sales, installation and service of scanning electron microscopes and related supplementary accessories

An audit was performed. Report No. 063390/10/QM.ZC
 Proof has been furnished that the requirements according to

ČSN EN ISO 9001:2009

are fulfilled. This certificate is valid until **18.11.2013**
 Certificate Registration No. 02.283.132

Prague, 18.11.2013

TÜV SÜD Czech s.r.o. • Husovská 94 • 102 01 Prague 4 • Česká Republika • info@tuv.cz • 12374

TYPE CERTIFICATE

Registration Number 02.500.644

Issued for the producer:
TESCAN, a.s.
 Libušina 9/ 21
 623 00 Brno
 Id. number: 41600240

For the product:
 Name: Scanning Electron Microscope
 Type: MIRA 3
 Modification: MMS, XMU, XMU, CMU, CMU
 Place of production: TESCO, a.s., Libušina 9/ 21, CZ - 623 00 Brno

at which the certification according to the certification scheme, decision of government No. 17/2002 Coll. (S. 1), is in full conformity with the certification system of the TÜV SÜD Czech rep. which results are given in the Evaluation Report No. 20050V/037/02E from 27 December 2010.

The product type mentioned above fulfils the applicable requirements of following regulations/standards which was the basis for its evaluation:
 ČSN EN 6197:1995, ČSN EN 60924:2007, ČSN EN 6187:1995, ČSN EN 12196:1995, ČSN EN 60924:2007, ČSN EN 60922:2006, ČSN EN ISO 12196-2:2006/EN ISO 12196-2:2003

This certificate is valid till **January 09th, 2016**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 1 page.

Prague, January 09th, 2011

TÜV SÜD Czech s.r.o. • Husovská 94 • 102 01 Prague 4 • Česká Republika • info@tuv.cz • 12374

TYPE CERTIFICATE

Registration Number 02.500.854

Issued for the producer:
TESCAN, a.s.
 Libušina 9/ 21
 623 00 Brno
 Id. number: 41600240

For the product:
 Name: Scanning Electron Microscope
 Type: MIRA 3
 Modification: XMU, XMU, CMU, CMU
 Place of production: TESCO, a.s., Libušina 9/ 21, CZ - 623 00 Brno

at which the certification according to the certification scheme, decision of government No. 17/2002 Coll. (S. 1), is in full conformity with the certification system of the TÜV SÜD Czech rep. which results are given in the Evaluation Report No. 20050V/037/02E from 27 December 2010.

The product type mentioned above fulfils the applicable requirements of following regulations/standards which was the basis for its evaluation:
 ČSN EN 6194:1995/EN 6194:1995, ČSN EN 6187:1995, ČSN EN 12196:1995, ČSN EN 60924:2007, ČSN EN 60922:2006, ČSN EN ISO 12196-2:2006/EN ISO 12196-2:2003

This certificate is valid till **January 09th, 2016**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 1 page.

Prague, January 09th, 2011

TÜV SÜD Czech s.r.o. • Husovská 94 • 102 01 Prague 4 • Česká Republika • info@tuv.cz • 12374

TYPE CERTIFICATE

Registration Number 02.500.855

Issued for the producer:
TESCAN, a.s.
 Libušina 9/ 21
 623 00 Brno
 Id. number: 41600240

For the product:
 Name: Scanning Electron Microscope
 Type: MIRA 3
 Modification: LMU, LMU, XMU, XMU, CMU, CMU, CMU
 Place of production: TESCO, a.s., Libušina 9/ 21, CZ - 623 00 Brno

at which the certification according to the certification scheme, decision of government No. 17/2002 Coll. (S. 1), is in full conformity with the certification system of the TÜV SÜD Czech rep. which results are given in the Evaluation Report No. 20050V/037/02E from 27 December 2010.

The product type mentioned above fulfils the applicable requirements of following regulations/standards which was the basis for its evaluation:
 ČSN EN 6194:1995/EN 6194:1995, ČSN EN 6187:1995, ČSN EN 12196:1995, ČSN EN 60924:2007, ČSN EN 60922:2006, ČSN EN ISO 12196-2:2006/EN ISO 12196-2:2003

This certificate is valid till **January 09th, 2016**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 1 page.

Prague, January 09th, 2011

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TYPE CERTIFICATE

Registration Number 02.656.074

Issued for the producer:
TESCAN, a.s.
 Libušina 9/ 21
 623 00 Brno
 Id. number: 41600240

For the product:
 Name: Scanning Electron Microscope
 Type: VEGA 3
 Modification: LMU, LMU, XMU, XMU, CMU, CMU, CMU
 Place of production: TESCO, a.s., Libušina 9/ 21, CZ - 623 00 Brno

at which the certification according to the certification scheme according to Directive 90/269/EEC of System 2 conforming with the certification system of the TÜV SÜD Czech rep. which results are given in the Evaluation Report No. 00.703.039 of January 29th, 2011.

The product type mentioned above fulfils the applicable requirements of following regulations/standards which was the basis for its evaluation:
 ČSN EN 61934:1995/EN 61934:1995, ČSN EN 60924:2007, ČSN EN 60922:2006, ČSN EN ISO 12196-2:2006/EN ISO 12196-2:2003

This certificate is valid till **February 3rd, 2016**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 1 page.

Prague, February 3rd, 2011

TÜV SÜD Czech s.r.o. • Husovská 94 • 102 01 Prague 4 • Česká Republika • info@tuv.cz • 12374

TÜV SÜD Czech
 propůjčuje
CERTIFIKÁT
VÝJEMČNOSTI

organizaci
TESCAN, a.s.
 Libušina 9/ 21
 CZ - 623 00 Brno
 IČ: 41600240

a osvědčuje, že byl zaveden a je používán systém řízení
 v podobě a podstatě

EN ISO 14001
EN ISO 9001

u certifikace výrobního dílu EN 45011

pro obor:

výzkum a vývoj, výroba, prodej, instalace a servis rastrovacích elektronických mikroskopů a jejich příslušenství

Prague, 08. 01. 2011

TÜV SÜD Czech s.r.o. • Husovská 94 • 102 01 Prague 4 • Česká Republika • info@tuv.cz • 12374

TESCAN ORSAY HOLDING, a.s.
Libušina tř. 21
623 00 Brno
Czech Republic, Europe

www.tescan-orsay.eu

E-mail: info@tescan.cz
Tel.: +420 530 353 411



TESCAN Brno, s.r.o.
Libušina tř. 1
623 00 Brno
Czech Republic, Europe

www.tescan.com

E-mail: info@tescan.cz
Tel.: +420 530 353 211

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)

TESCAN do Brasil Instrumentos Científicos Ltda

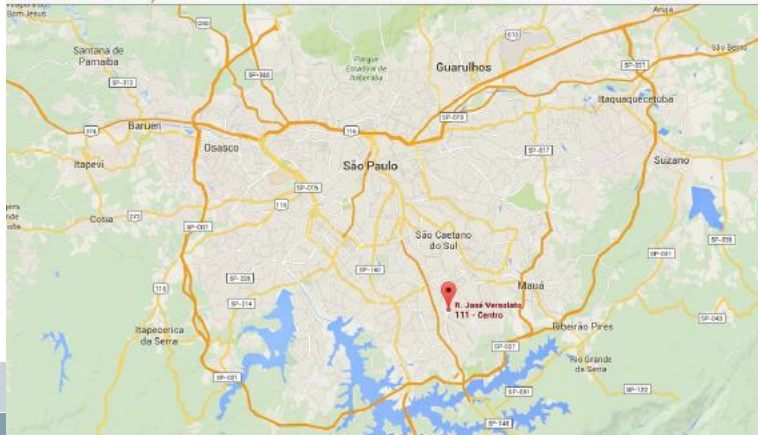
Rua José Versolato, 111 Boulevard, loja 7

CEP – 09750-730 São Bernardo do Campo - SP

www.tescan-brasil.com

E-mail: info@tescan-brasil.com

Tel.: +55 11 4314-3555





Reception



Training room



Customer's meeting room



Sample preparation room



Application lab.



Administration room



Meeting room



Workshop



Warehouse

TDB's team



Rafael.rossetto@tescan-brasil.com
Sales & Administrative Director



Rui.moreira@tescan-brasil.com
Sales & Technical Director



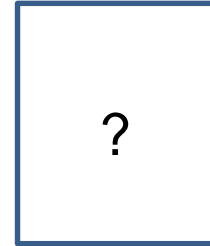
Leandro.costa@tescan-brasil.com
Service Manager



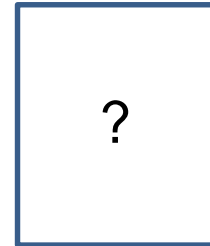
Beatriz.murakami@tescan-brasil.com
Administrative Supervisor



Daniel.richter@tescan-brasil.com
Service Technician



Application Specialist



Salesman

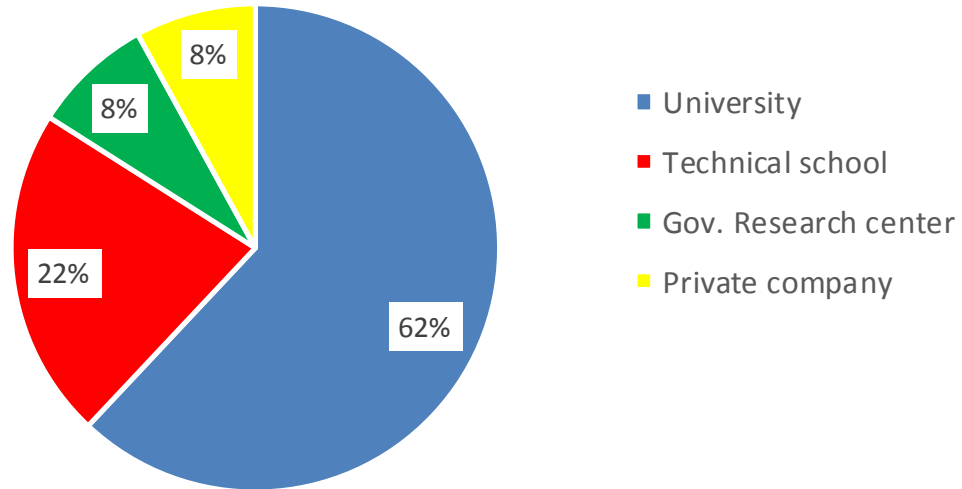


Salesman

Within 2016!

TESCAN & Brazilian EM Market

TESCAN' customers - by segments



TESCAN & our references



THANK YOU FOR ATTENTION.