

Niobium Production in Ningxia



Start from ore



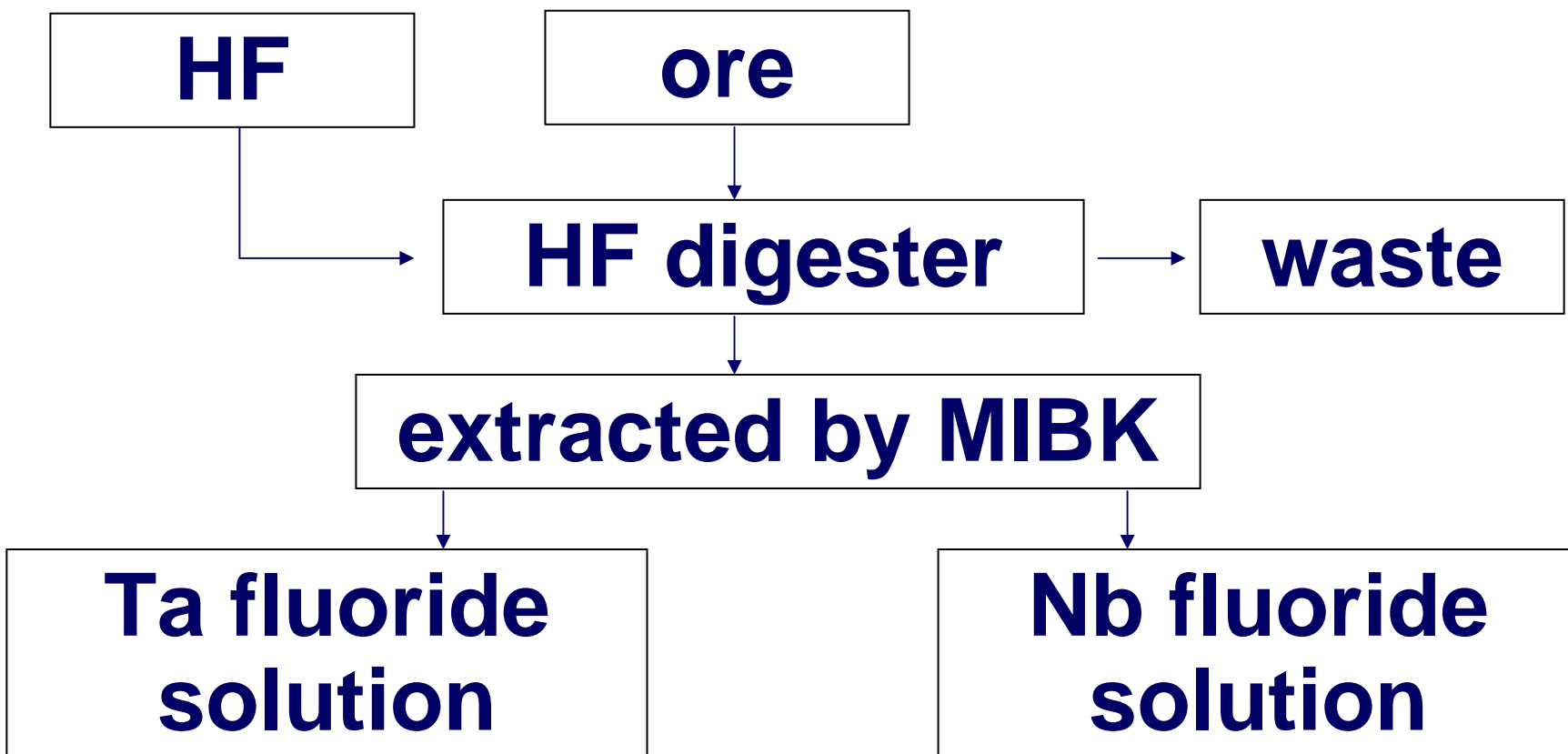
Start from ore

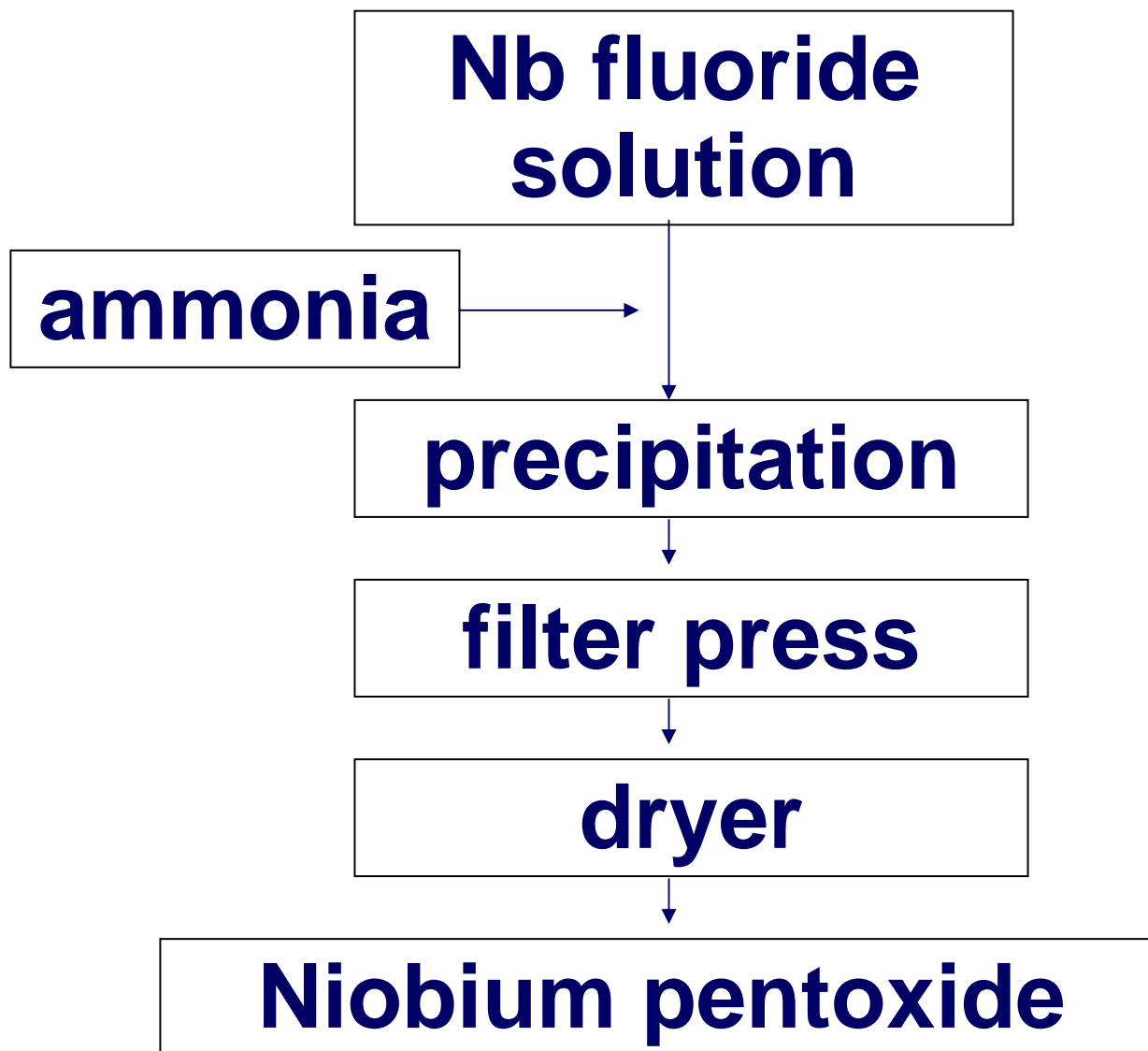


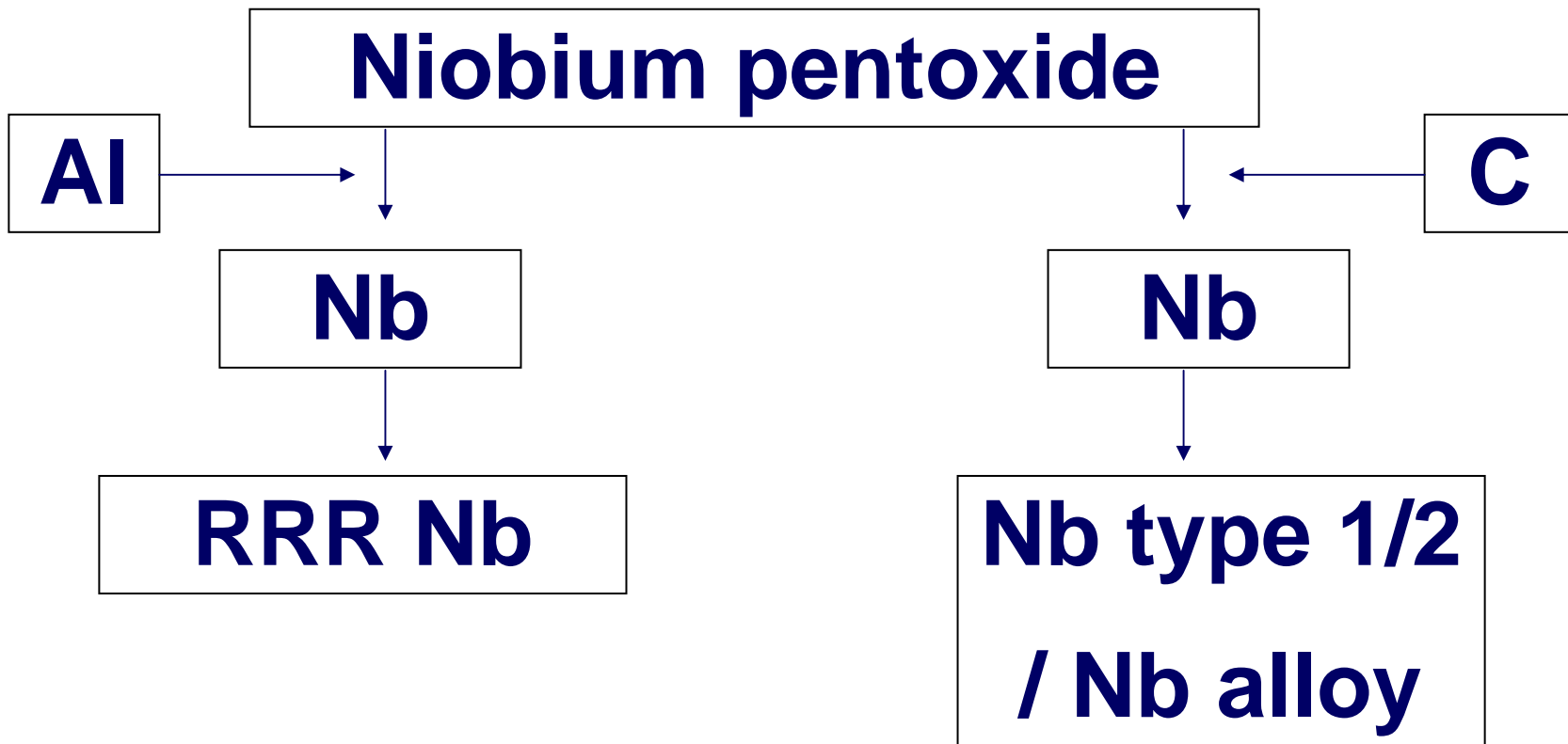
Hydrometallurgy plant



Hydrometallurgy process









Nb ingot

**cross section of
RRR Nb ingot**





Forge machine

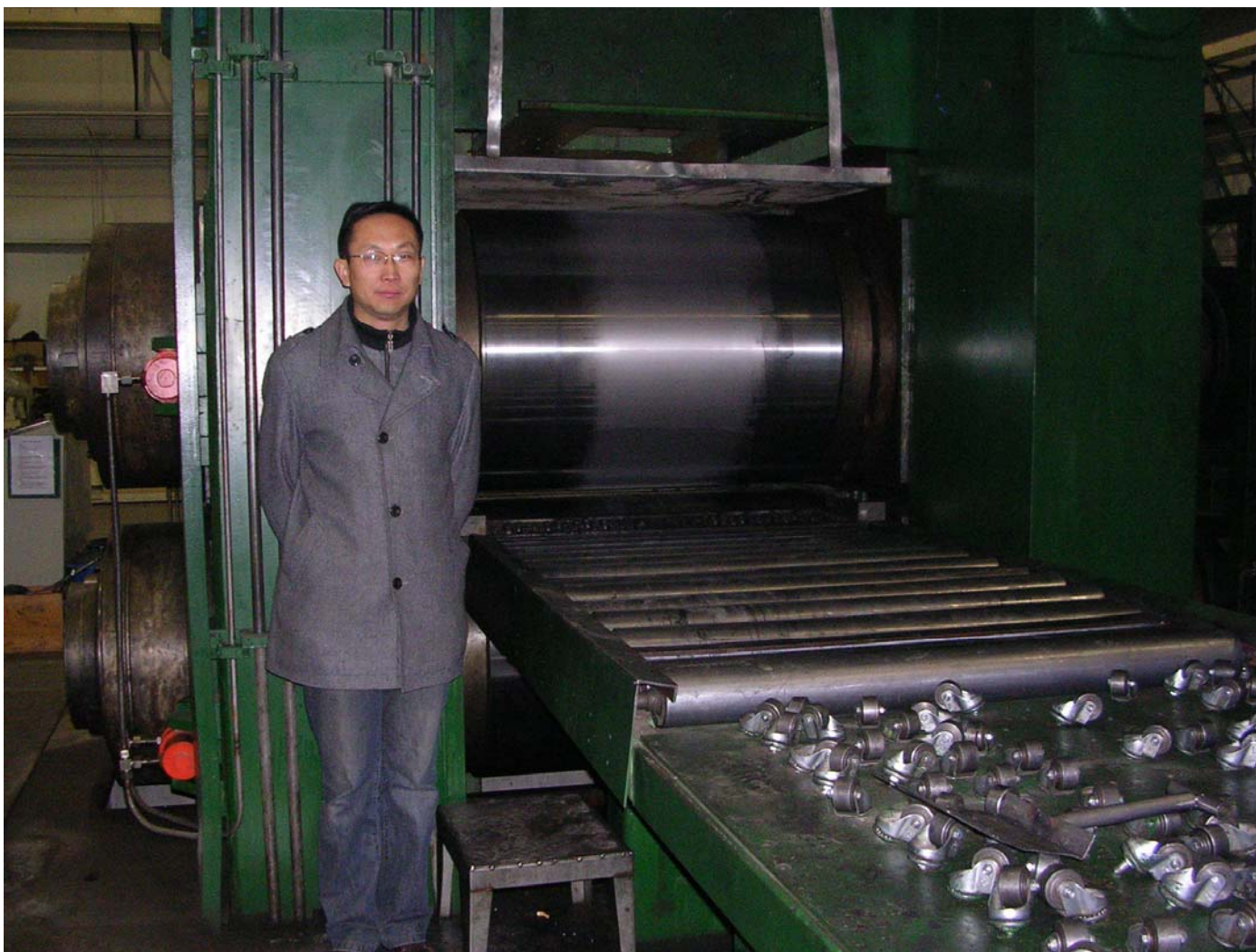


Forge machine



roller mill





roller mill



vaccum furnace



etching device



checking and package



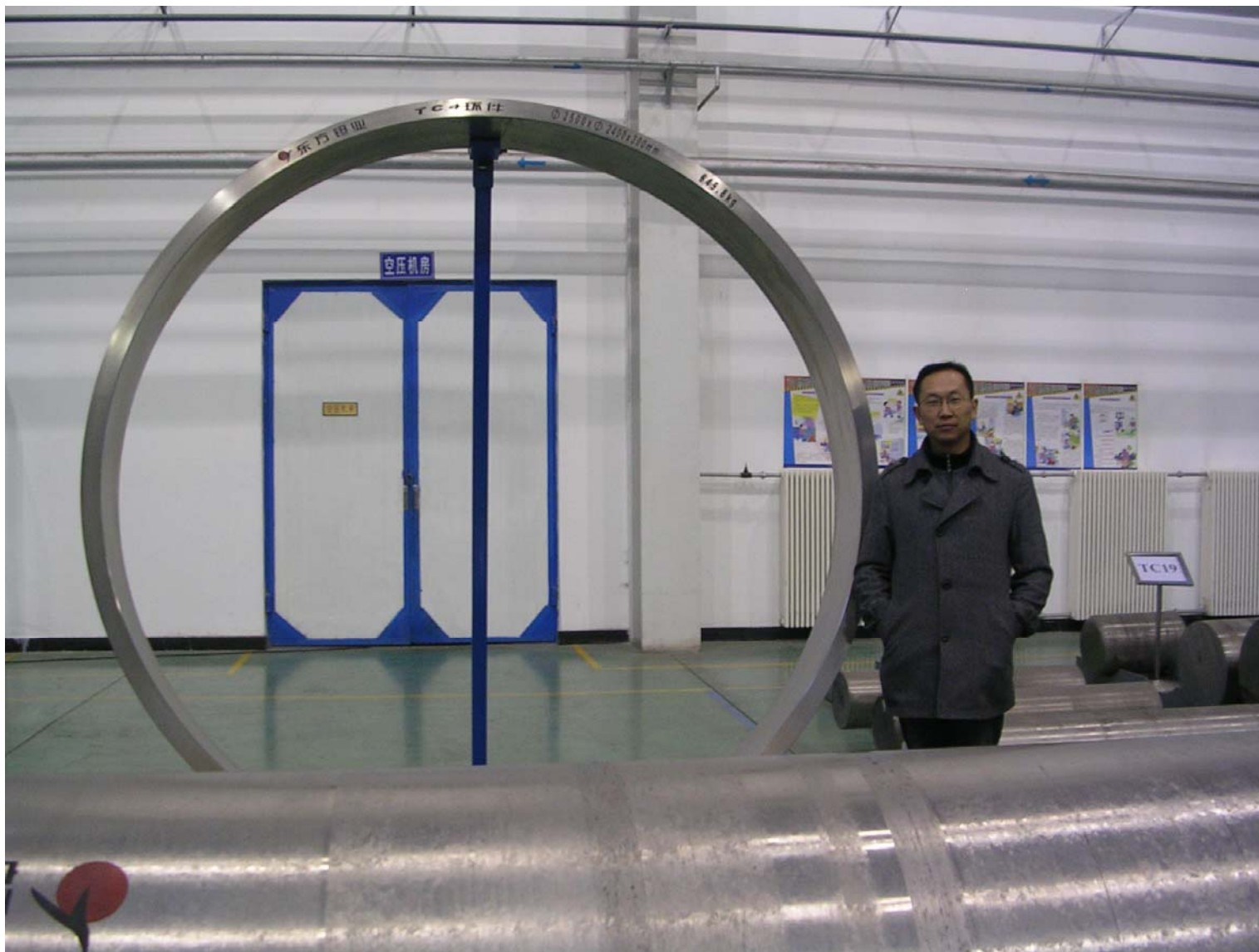
Nb sheet storage



NbTi ring



Ti alloy ingot



Ti alloy ring



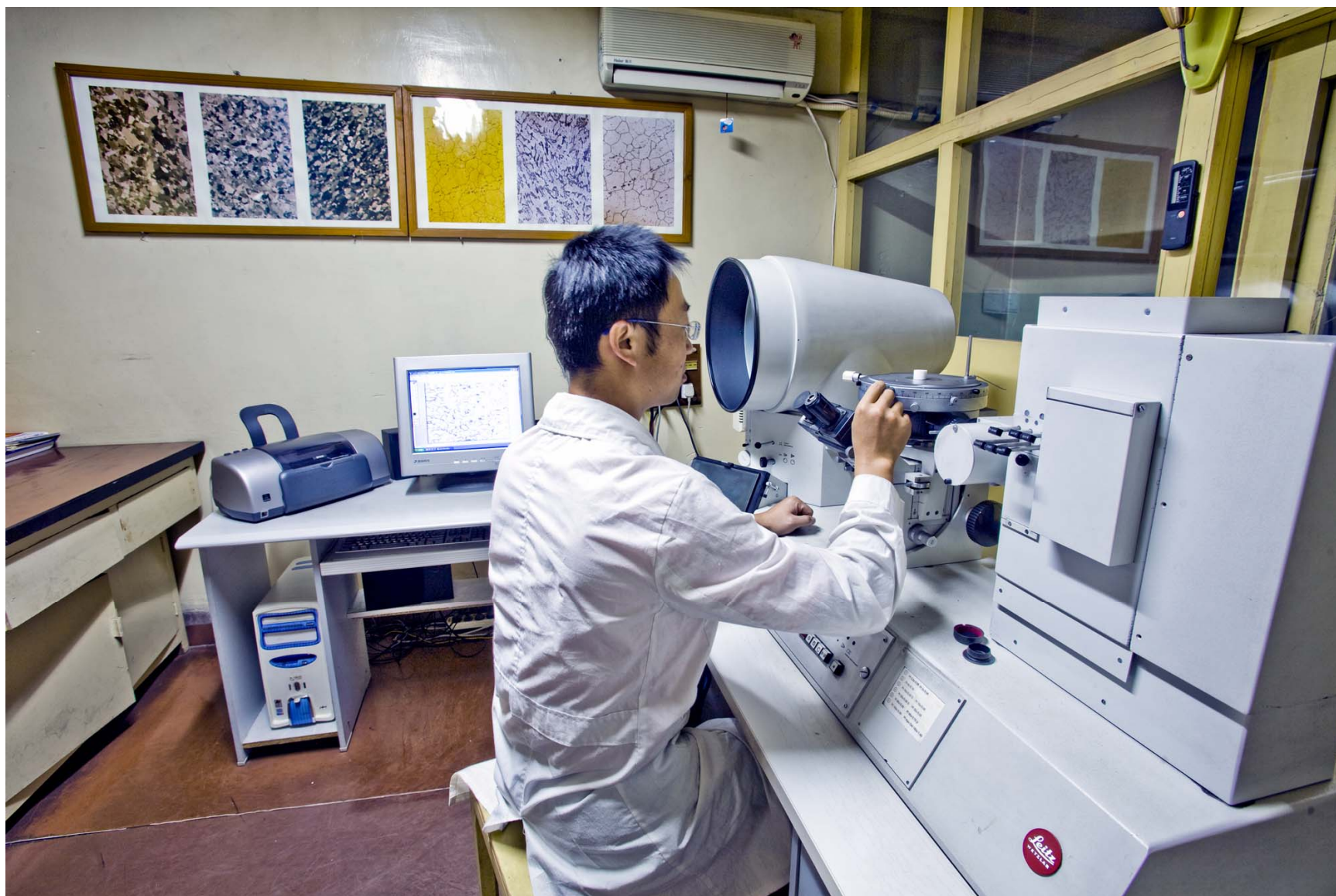
tensile test



CMM



宁夏东方钨业股份有限公司
NINGXIA ORIENT TANTALUM INDUSTRY CO.,LTD.



metallography



microhardness tester





C/S analyser



O/N/H analyser



SEM



TEM



ore chemical analyser



CERTIFICATE OF CONFORMITY OF QUALITY MANAGEMENT SYSTEM CERTIFICATION

Certificate No.00806Q10611R11
NINGXIA ORIENT TANTALUM INDUSTRY CO., LTD

---Yejin Rd., Dawukou District, Shizuishan, Ningxia
P.R.C.753000

is in conformity with

GB/T19001-2000 (idt ISO9001:2000)

This certificate is valid to the following

Design, Development, Production and Service of Tantalum and Niobium and Their Compounds, Alloys and Wrought Products (Including LFTa Crystals and Wafers), Beryllium Alloy Their Wrought Products, Silicon Carbide, and Conductive Thin-Film Materials and Coatings

Issue Date: 2006.10.23
Expiry Date: 2009.10.22

China Xinsheng
System Certificate

Director:



MANAGEMENT SYSTEM
CNAS C008-Q

Note: If you want to check the validity of this certificate, please visit the WEBSITE: WWW.XQC.COM



CERTIFICATE OF REGISTRATION

Certification

the Occupation

Ningxia Orient Tantalum Industry Co., Ltd.

Add: No.105 Yejin Road

Has been assessed at

and the

The Activities of Beryllium Alloy and Their Wrought Products

This certificate is in the case that the organization be valid when used together

China

(Incorporated with original China for

CCCI Representative:

Date: January 20, 2005



CERTIFICATE

Quality Assurance System
for Material Manufacturer
acc. to Pressure Equipment Directive 97/23/EC

Certificate no.: 07-202-1326 WZ-1556/11

Name and address
of manufacturer:

Ningxia Orient Tantalum
Industry Co., Ltd.
Ningxia 753000, P.R. China

This is to certify that the manufacturer has implemented and applies a QA System.
This QA System has been subjected to a specific assessment for material acc. to Directive 97/23/EC with regard to the materials mentioned within the scope of approval.

Approved:

Audit report no.:

Scope of approval:

QA System acc. to Directive 97/23/EC Annex I, sec. 4.3
1326W105110
Niobium, Niobium-Alloy and Niobium-Titanium-Alloys
Typ of Product: Sheets and flats products, bars
Details of the scope are mentioned in the annex of the certificate.

Production site:

Ningxia 753000, P.R. China

The manufacturer disposes of the essential procedures and equipments as well as the required qualified personnel to ensure quality of manufacturing and testing the materials and products mentioned in the scope of approval.

Hamburg 2011-03-21

Certification Body
for Pressure Equipment
of TÜV NORD Systems GmbH & Co. KG



Branch of validity:

Valid until 04.2014

TÜV NORD Systems GmbH & Co. KG

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D-22559 Hamburg

Germany

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+49 (0) 40 8957-2710
e-mail: kmp@tuv-nord.de

Notified body, registration no. 0045



测量管理体系认证证书

CERTIFICATE OF CONFORMITY FOR
MEASUREMENT MANAGEMENT SYSTEMS

证书编号 No. **CMS[2006]137号**

东方钽业股份有限公司

石嘴山市大武口区

邮编 **753000**

单位在产品质量、经营管理、节能降耗、环境监测等方面的符合 GB/T 19022-2003/ISO 10012-2003《测量管理体系-测量设备的要求》标准的全部要求，特此认证。

that your measurement management systems conforms to the ISO 10012:2003.

有效性依据认证中心的定期监督获得保持，并在认证标志下的有效年度。

2004 年 11 月 2 日

法定代表人:

Signature

2009 年 11 月 1 日

颁证部门: 中启计量体系认证中心

Approved by

Issuing authority



有效年度

2007.10



宁夏东方钽业股份有限公司
NINGXIA ORIENT TANTALUM INDUSTRY CO., LTD.

Thank You !