

TOS VARNSDORF a.s.

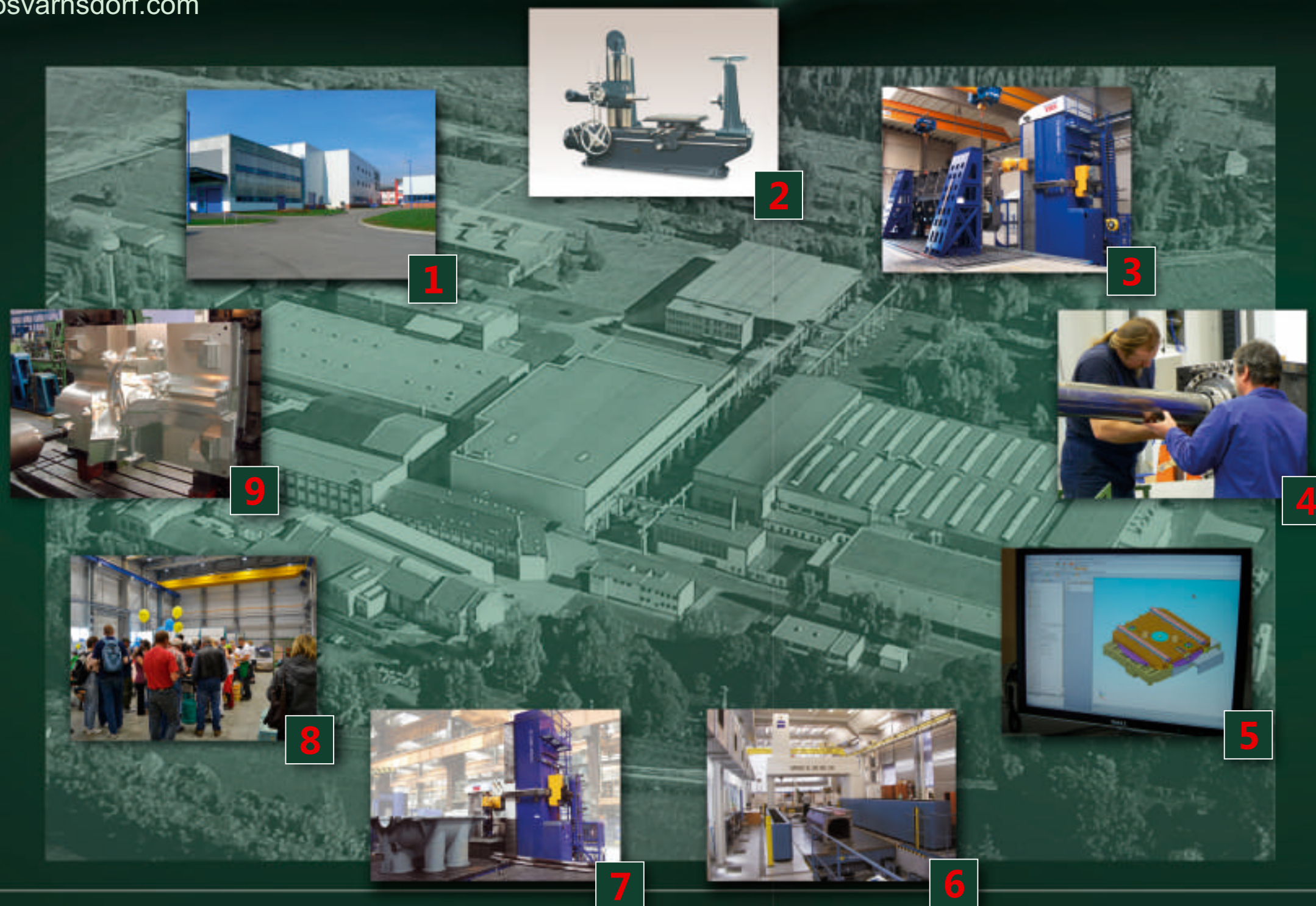
production of machine tools

COMPANY PROFILE



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www.tosvarnsdorf.com



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ABOUT COMPANY

www.tosvarnsdorf.com

PRODUCER OF PRECISE MACHINE TOOLS

Company TOS VARNSDORF a. s. situated in Varnsdorf, Czech Republic has a years-lasting tradition in machine tool production. The company was founded, under the name of Arno Plauert machine Works, as early as 1903 and up to now it grew up into a big engineering company, known with its products all around the world.

The company develops, produces and sells machine tools, complemented by a wide range of services. It has its own design team to develop the machines and a strong manufacturing base to produce them.

The company's production program consists of three product groups: table type machines tools for universal use and heavy-duty machining of parts from 5 to 30 tons, large WRD plate type machines for the most complicated technological operations for items weighing up to 130 tons and up-to-date TOStec series machining centres using the latest technologies with the most advanced tools, with automatic exchange of tools, palettes, and integration into automated manufacturing systems.

The services provided for these products cover both training in controlling and programming the machines and technological studies as well as preparation and also consultation services for placing the machine in a shop or building and the foundation for the machine. The company has a strong service team to carry out all warranty requirements and customer services.

In addition, the company provides for the services in the form of outwork offers (Metalworking, Measuring services, Chemical and Heat Treatment of Metals).

6 production shops = 28.870 m²



The quality of our management and production system is documented by a certificate ISO 9001, granted in 1996, and its recertification to ISO 9001:2008, performed at the start of 2010.



480 employees = tradition + knowledge + skills + development



Turnover in 2010 = CZK 1.1 billion



STRUCTURE OF TOS VARNSDORF GROUP



TOS VARNSDORF a.s.



TOS Olomouc spol. s r.o.



METALURGIE RUMBURK s.r.o.



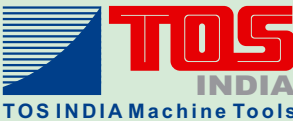
TOS TRADE Canada, Inc



TOS TRADE North America LLC.



TOS KUNMING Machine Tool Co., Ltd



TOS INDIA Machine Tools Pvt., LTD



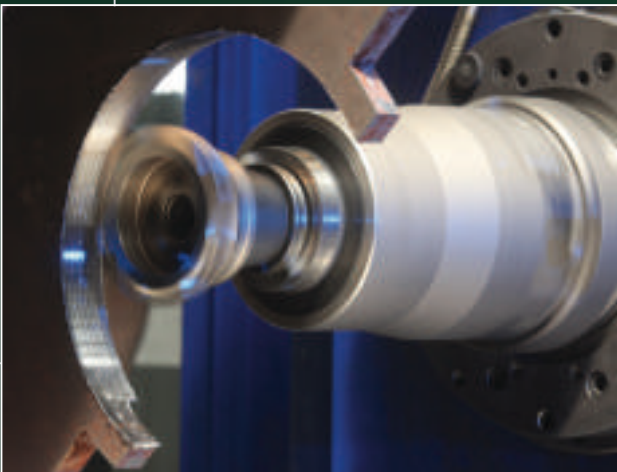
TOS Machine Tools Shanghai Ltd.

ABOUT COMPANY – SALES NET

www.tosvarnsdorf.com

Daughter Company

Dealership



**WORLDWIDE SALES NET – IN MORE THAN 50 COUNTRIES
ALL OVER THE WORLD**

Further information you can find on:
<http://www.tosvarnsdorf.cz/en/contacts/sales-net/>

HISTORY

www.tosvarnsdorf.com

Establishment of machine works ARNO PLAUERT, production of simple lathes, horizontal shapers, planes and drills. 	First HB drawing created (1912). Start of production of precision horizontal boring and milling machines. First HB horizontal boring machine manufactured (1915). 	Production of a company increases dynamically reaching 600 lathes, 150 milling machines, 100 boring machines, 40 drills, 30 automatic machines, 20 shaping machines and 10 metal saws. 	Presidential decree establishes SPOTOS – Spojené továrny na obráběcí stroje, (unified machine tool factories) state-owned company, with head office in Prague and plant in Varnsdorf.	Establishment of a stand-alone subject called TOS VARNSDORF, national enterprise; the horizontal borers production becomes the major manufacturing program. 	Making of prototype for machine WH 100 – the first numerically controlled horizontal boring and milling machine produced serially on the state territory.	First WHN 13 CNC machine manufactured, which later became the most successful machine of the company production program.	Export starts to predominate. Over 60 % of the production is exported worldwide On January 1, 1980 the TST concern is created.
▲ 1903	▲ 1915	▲ 1920 - 1930	▲ 1945	▲ 1950	▲ 1960	▲ 1969	▲ 1970 - 1980
TOS VARNSDORF state-owned enterprise established.	A new company logo is created. 	Privatisation of state company by direct sale, TOS VARNSDORF s.r.o. created. Change of legal form to joint-stock company. ISO 9001 certificate granted by Swiss company SQS and Slovak company SKQS.	First WHN 130 and WHN 130 MC machine manufactured. Publication of first issue of the company newspaper HORIZONT.	Initiation of installation of machining centre WALDRICH MC 3000 AP-M. The firm presents itself on the Internet for the first time.	Start of cooperation with the concern Deckel Maho Gildemeister.	Concept created for floor type horizontal boring mills WRD. Concept created for new technology of the range TOStec. 	Making of prototype for machine TOStec OPTIMA. Turnover of 1.5 billion CZK exceeded for the first time.
▲ 1989	▲ 1992	▲ 1996	▲ 1997	▲ 1998	▲ 1999	▲ 2000	▲ 2001
Making of prototype for machine TOStec VARIA. Company SCHIESS-TOS GmbH established. The first version of project TOS ON-LINE is created.	Celebration of 100th anniversary of establishment of company. Making of prototype for machine TOStec PRIMA. 	Making of prototype for machine TOStec GRATA. Making of prototype for machine TOStec VIVA. Establishment of company TOS KUNMING Machine Tool Co., Ltd. in China. 	Establishment of company TOS TRADE Canada, Inc. Establishment of company TOS TRADE North America, LLC v USA.  	Making of prototype for machine SPEEDtec. Turnover of 3 billion CZK exceeded for the first time. 	Start of cooperation with the company Strojirna TYC. Manufacture of prototype for technological workplace WRD 150 DUO.	Making of prototype for machine WRD 170 Q.	Establishment of company TOS SHANGHAI. Establishment of company TOS India.  
▲ 2002	▲ 2003	▲ 2005	▲ 2006	▲ 2008	▲ 2009	▲ 2010	▲ 2011



PRODUCTION PROGRAM

www.tosvarnsdorf.com

HORIZONTAL MILLING AND BORING MACHINES

WHN(Q) 13 CNC
MAXIMA
WHN 130 (Q, MC)
WHN 110 (Q, MC)
WH(Q) 105 CNC
WH 10 CNC

WHN(Q) 13 CNC



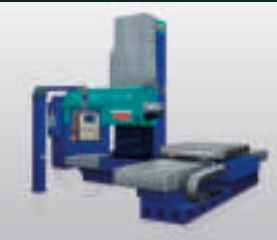
MAXIMA



WHN 130 (Q, MC)



WHN 110 (Q, MC)



WH(Q) 105 CNC



WH 10 CNC



FLOOR TYPE HORIZONTAL BORING MILLS

WRD 130 (Q)
WRD 150 (Q)
WRD 170 (Q)
GRATA

WRD 130 (Q)



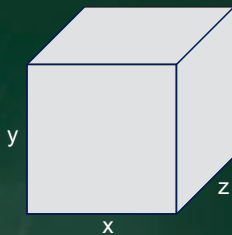
WRD 150 (Q)



WRD 170 (Q)



GRATA



> 1 m³ (0.01mm)
x > 1 m
y > 1 m
z > 1 m

WE SUPPLY TECHNOLOGIES
FOR THE MACHINING
OF COMPONENTS ALLOWING
MACHINING IN A WORK SPACE:

- LARGER THAN 1 m³
- WITH A PRECISION OF 0.01 mm

MACHINING CENTRES

TOStec PRIMA
TOStec OPTIMA
TOStec VARIA

TOStec PRIMA



TOStec OPTIMA



TOStec VARIA



PORTAL TYPE MACHINING CENTRES

FPPC CNC
FVC CNC

FPPC CNC



FVC CNC



SPECIAL MACHINES

SPEEDtec
WRD 150 DUO

SPEEDtec



WRD 150 DUO



ACCESSORIES

MILLING HEADS AND ATTACHMENT
FACING HEADS
ADD-ON TABLES
CLAMPING EQUIPMENT
COOLING EQUIPMENT

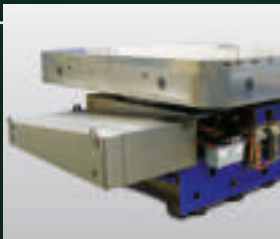
MILLING HEADS



FACING HEADS



ADD-ON TABLES



CLAMPING



COOLING



**COMPLETE INFORMATION ABOUT
THE PRODUCTION PROGRAM AND TECHNICAL PARAMETERS
OF MACHINES AND ACCESSORIES YOU CAN FIND ON**

<http://www.tosvarnsdorf.cz/en/products/>

SERVICES

www.tosvarnsdorf.com

COMPREHENSIVE OFFER OF CUSTOMER SERVICES

- before buying (1)
- within buying (2)
- by machine usage (3)
- overhauls and modernizations (4)
- remote diagnostics of machine – TOSwide, TOSmessage (5)
- we offer the capacity for external contracts for metalworking, measuring and chemical and heat treatment of metals – cooperation (6, 7)



Technological solutions

1



Training for operators
and maintenance workers

2



Spare parts

3



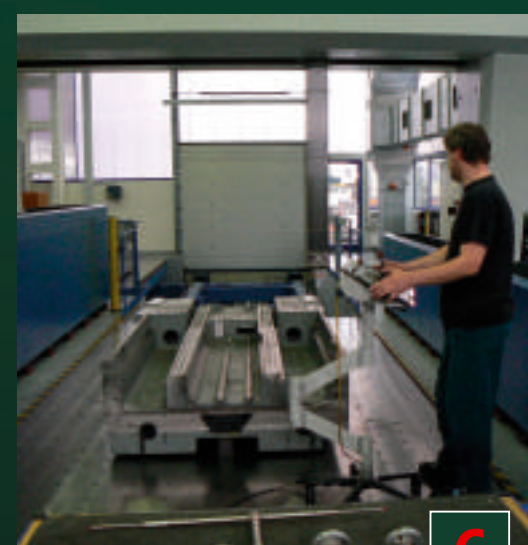
Overhauls and modernizations

4



TOSwide – remote diagnostics

5



Measuring

6



Metalworking

7

COMPLETE OFFER OF THE SERVICES YOU CAN FIND ON

<http://www.tosvarnsdorf.cz/en/services/>

UP-TO-DATE TECHNOLOGIES

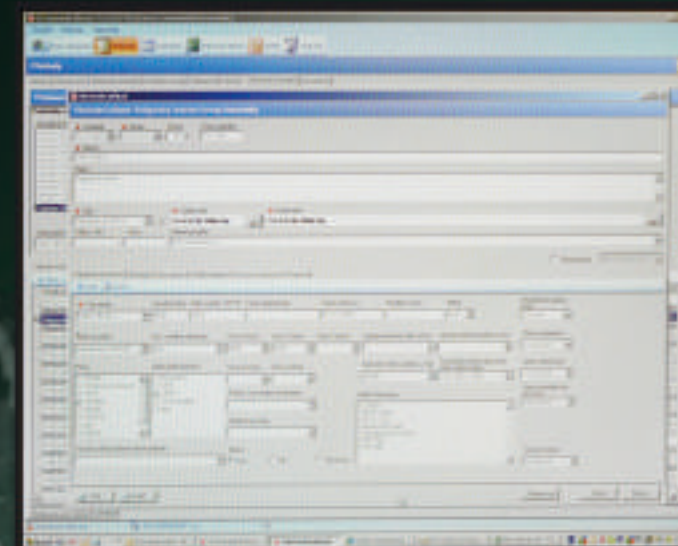
www.tosvarnsdorf.com

For all our activities
we use

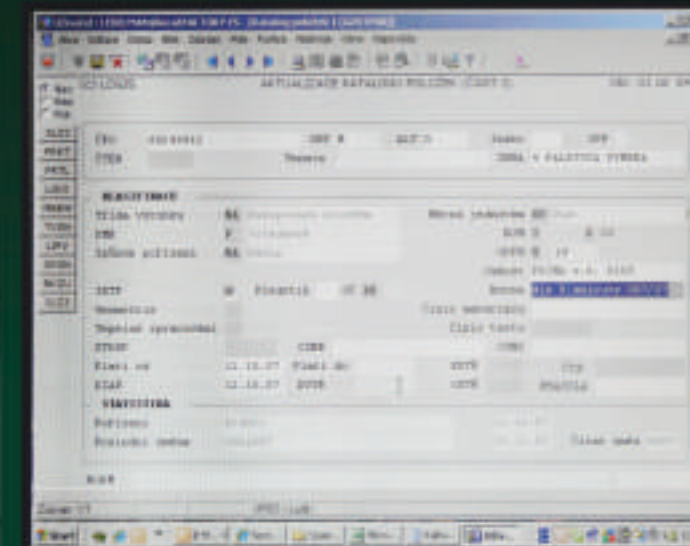
THE MOST UP-TO-DATE TECHNOLOGIES AND RESOURCES



Design Department

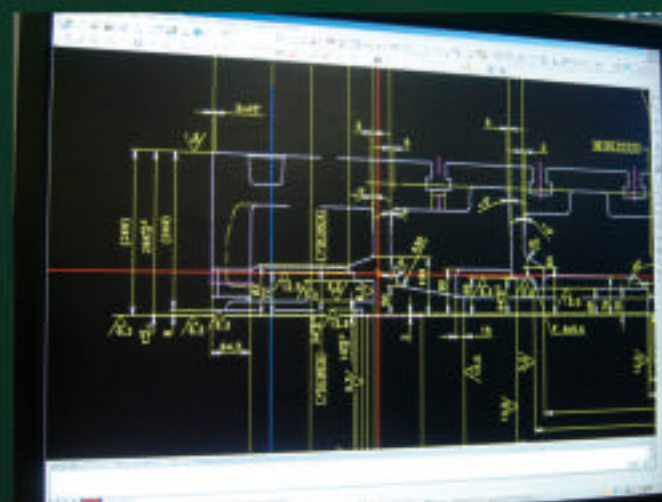


CRM

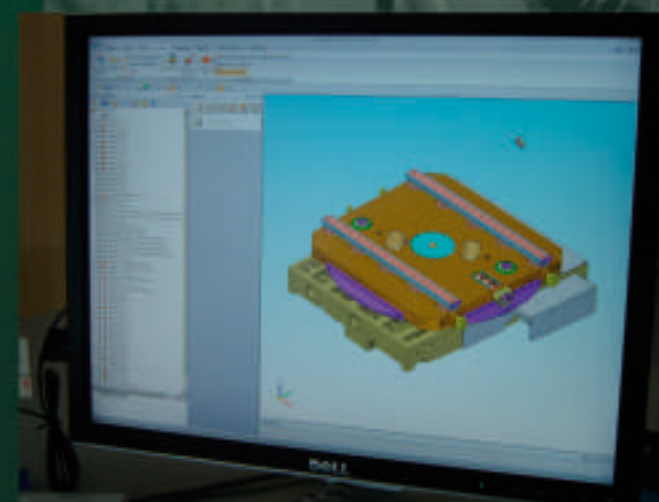


ERP

We utilize production planning and management software, including management of necessary resources (ERP system), and also SW for the management of business activities and customer relations (CRM system).



AutoCAD



SOLID EDGE

When designing our machines we utilize the most up-to-date technical resources of 2D and 3D design, including computer methods for final elements and topological optimization of design.



Setting shop (COSCOM System)

A system for the effective management and use of machines has been established in production.

High QUALITY

www.tosvarnsdorf.com



ZEISS

We ensure the thorough checking of manufactured parts with a modern, climate-controlled measuring centre equipped with cutting-edge coordinate measuring machines from the world-famous manufacturer ZEISS.



The greatest know-how of the company is

THE SUPER-PRECISE PRODUCTION OF THE MAIN HOUSING OF SPINDLE WITH A PRECISION OF 0.001 mm

performed in a climate-controlled shop.



THE FAULT-FREE FUNCTIONING OF NEWLY MANUFACTURED MACHINES IS CHECKED BY A HIGHLY DEMANDING OUTPUT TEST CONSISTING OF:

- checking of geometric accuracy of machine according to the international standard ISO 3070-1,2,3 (1)
- checking accuracy of machine position when running to a position pursuant to German standard VDI/DGQ 3441 (2)
- checking of working accuracy of machine by machining the testing workpiece „NASA“ (3)
- maximum load machining test for machine (4)



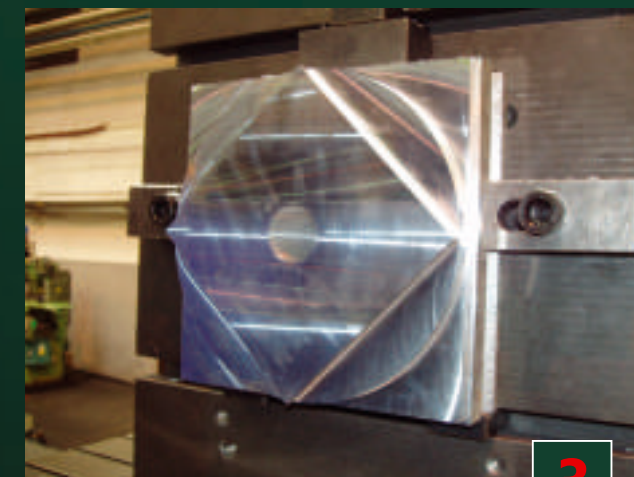
Measuring of machine accuracy

1



Test of accuracy in positioning (measuring by the laser)

2



Testing workpiece „NASA“

3



Machining check of machine with maximum feed and load

4

HIGH QUALITY

www.tosvarnsdorf.com

The quality of our management and production system is documented by a certificate ISO 9001, granted in 1996, and its recertification to ISO 9001:2008, performed at the start of 2010.



All machines manufactured in TOS VARNSDORF
MATCH THE CE SAFETY STANDARDS

TOS VARNSDORF

cooperates with technical universities (Technical University Liberec, Czech Technical University Prague), renowned research institutes and it is a member of national and international institutions and organizations (Engineering Technology Federation, CECIMO, Commission of the Technical Standardization, Metrology and State testing Office).



We cooperate with
RENOWNED EUROPEAN SUPPLIERS

HEIDENHAIN



SIEMENS



SKF



GOLAER



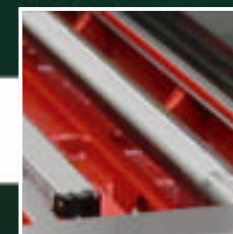
METALURGIE
Rumburk s.r.o.



SCHNEEBERGER
LINEAR TECHNOLOGY



KSK KURIM
SKUPINA ALTA



SEMPERIT



EXAMPLES OF PRACTICAL USE OF TOS VARNSDORF MACHINES

www.tosvarnsdorf.com

THE USE OF TOS VARNSDORF MACHINES:

TRAFFIC INDUSTRY (1)

- Automotive industry
- Rail industry
- Aerospace industry
- Shipbuilding

MINING AND BUILDING INDUSTRY (2)

- Building machines
- Mining machines

POWER INDUSTRY (3)

- Wind-power stations
- Nuclear power stations

GENERAL ENGINEERING (4)

- Glass machines
- Machine tools
- Moulds



1 Automotive industry



1 Shipbuilding



2 Building machines



2 Mining machines



3 Wind-power stations



4 Glass machines



4 Moulds

ANOTHER TECHNOLOGIES YOU CAN FIND ON

<http://www.tosvarnsdorf.cz/en/technologies/>

PUBLIC RELATIONS

www.tosvarnsdorf.com

CUSTOMER'S DAY – TOSday



Every year we organize a customer's TOSday for our customers and sales representatives focused on presenting the metalworking technologies of our machines.



VARNSDORF
TOS
TOSday
Customer Day

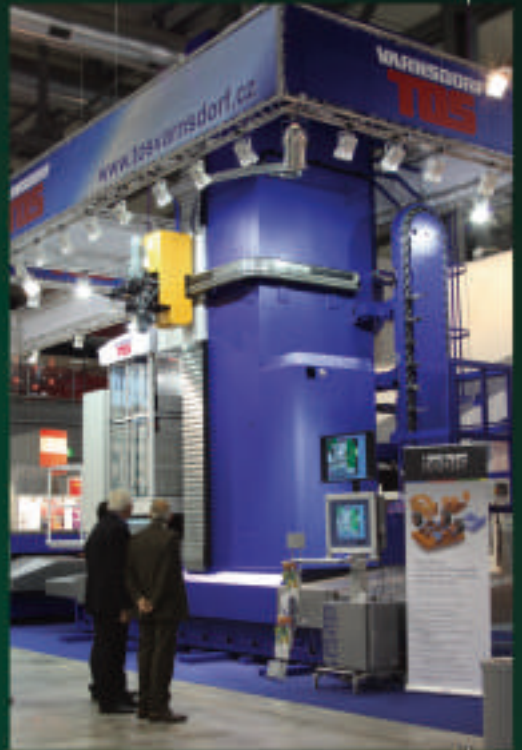
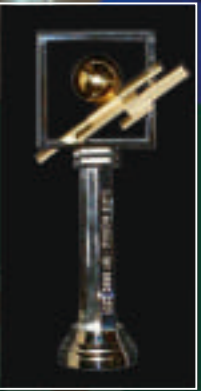


EXHIBITIONS AND TRADE FAIRS



IMT Brno

We attend prestigious engineering exhibitions and trade fairs around the world.



EMO



CIEME ShenYang



Metallobrabotka Moskva

PUBLIC RELATIONS

www.tosvarnsdorf.com

SUPPORTING THE REGION



Sport



Our company supports a wide range of educational, sporting, cultural and environmental subjects and activities, particularly in the Varnsdorf region.



Schooling



Culture

EMPLOYEES BENEFITS

Our employees are motivated by a system of benefits, training and educational programs.



Educational programs



Trainings



Holiday cottage

REFERENCES

List of important customers of
TOS VARNSDORF

TRAFFIC INDUSTRY



GOODRICH



БЕЛАЗ
BELAZ

ВНИИМЕТМАШ

MacDonald Steel
Environmental Systems Division

RMC



MINING INDUSTRY

JMH JOHN M.
HENDERSON

BOMAG
FAYAT GROUP

CATERPILLAR®

FAMET



NKMZ

DUROSE
Manufacturing Limited

CAMERON VENEZOLANA, S.A.

PROCLAD GROUP
Engineering Solutions Worldwide

POWER INDUSTRY

abs

ERTECHSTÅL

SKET

SIEMENS

B&W the babcock & wilcox company

ZOLLERN

BHEL

Siempelkamp

GENERAL ENGINEERING

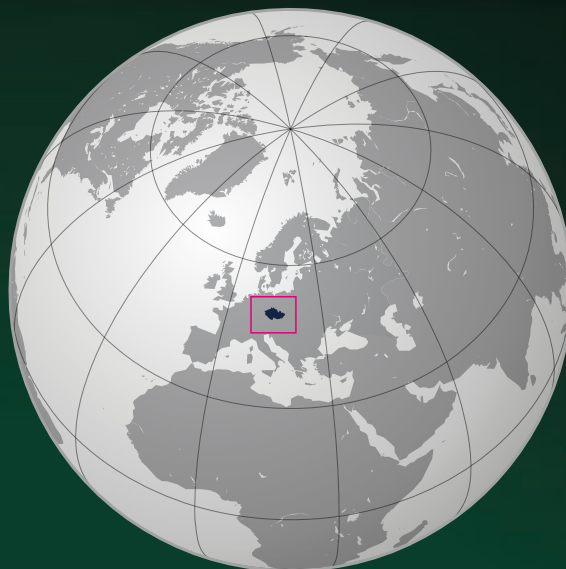


opre
MECCANICA

GMS
HIGH PERFORMANCE MACHINING



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