

MACHINE TOOLS PRODUCER

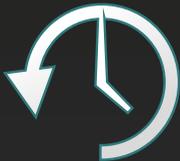
TRENS

... since 1937

COMPANY PROFILE



All components used in production of TRENS lathes are exclusively of EU origin therefore TRENS lathes are characterized by high quality and reliability. They reach high, longtime and repeatable machining precision.



Company TRENS insists on long lifetime of its lathes already during their development which has been proved by more than 100.000 satisfied customers around the world.



CNC lathes with energy recuperation lower electrical energy consumption which brings savings of your overheads and are designed with focus on decreasing the environmental impacts.

TRENS SK a.s.,

was in 2021 acquired by a new shareholder, followed by a complete change of management. The company is currently planning new projects and focusing on new strategic goals.

TRENS is the biggest producer of machine tools in Slovakia and one of the most important producers of machine tools in Europe.

Exports 95% of its production into more than 80 countries of the world. Offers innovative solutions adapted to demanding market requests that are sought after by many renowned foreign companies. Is the modern company with strong customer orientation with potential of dynamic growth and production development.

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DISTRIBUTION NETWORK



80 countries

500.000 sold machines

85 years of HISTORY

1937 Establishment of the factory (WALTER company) - production of aircraft engines

1962 Production of machine tools - main production program, own research and development workplaces

1992 TOS Trencin, joint stock company

1946 **OMNIA** - Engineering and automotive - production of agricultural and food machinery and equipment

1963 We became an independent national company called TOS Trencin

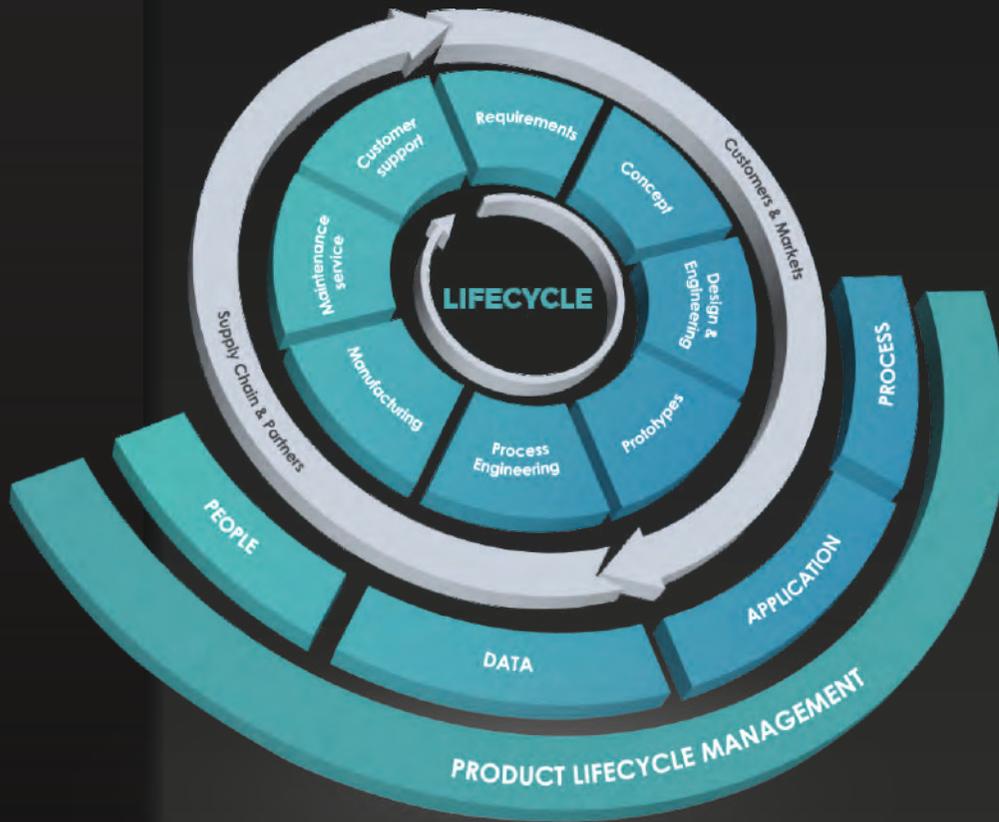
2012 We became an independent national company TRENS SK, a. s.. Since 2012, the company has been operating under the changed name TRENS SK, a.s.

1951 Start of production of machine tools (lathes) and special technology

1980 Tovarne strojarskej techniky, concern company TOS Trencin

2021 Change of a shareholder, significant changes, and the contribution of new innovations

LIFECYCLE



REQUIREMENTS

Production of specialized machines according to requirements. TRENS machines are known for their high reliability, accuracy and high technical level.



DESIGN & PROTOTYPES

Making prototypes is an essential part of the product development process. New product designs undergo several prototyping processes.



MANUFACTURING

TRENS SK is major global manufacturer and provider of advanced and highprecision machine tool solutions.



SERVICE & SUPPORT

The service is performed by certified staff who are regularly trained on the latest technologies of key partners. The service is performed throughout Europe.



TURNING CENTERS

Productive turning centers of a rigid construction with slant bed designed for high precision and productive machining in challenging conditions of multi-shift operation.

MAIN ADVANTAGES

High precision and productive machining of simple as well as complex shape workpieces.

Steady cutting process with high repeatable accuracy of machining.

Modular concept of the machine allows configuration tailored to the technological needs of production.

Variety of turrets with VDI couplings with or without live tool drive and optional Y-axis. Remote diagnostics and data management.

Wide scope of executions and accessories – clamping devices, bar feeders, part catchers, tool probes, automatic door opening, vapour exhaust system. The newest technologies in the field of drives bring savings in electric energy.



Machine type series	Unit	SBE300 TurnEco	SBL300 series
Max swing diameter	mm	530	530
Max turning diameter	mm	320	260
Length of turning	mm	500	500
Main spindle bore	mm	65	65/92
Max weight of workpiece	kg	200	200
Max weight of overhung	kg	80	80

CNC LATHES & TURNING CENTERS



TurnEco



SBE300 TurnEco

SingleTurn Milling C -axis Y -axis



SBL300 SingleTurn M.C.Y SBX500 SingleTurn M.C.Y

SingleTurn



SBL300 SingleTurn



SBL500 SingleTurn



SBL700 SingleTurn

DoubleTurn Milling



SBL300 DoubleTurn M

SingleTurn Milling



SBL300 SingleTurn M



SBL500 SingleTurn M



SBL700 SingleTurn M

DoubleTurn Milling C -axis



SBL300 DoubleTurn M.C

SingleTurn Milling C -axis



SBL300 SingleTurn M.C



SBL500 SingleTurn M.C



SBL700 SingleTurn M.C

DoubleTurn Milling Y -axis



SBL300 DoubleTurn M.Y



SBX500 DoubleTurn M.Y

SingleTurn Milling Y -axis



SBL300 SingleTurn M.Y



SBX500 SingleTurn M.Y

DoubleTurn Milling C -axis Y -axis



SBL300 DoubleTurn M.C.Y



SBX500 DoubleTurn M.C.Y

SBL500 series	SBX500 series	SBL700 series
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600	650	750
410	550	500
750/1500	750	2000
92/133	92/133	127
420	1000	2500
215	372	250

CNC UNIVERSAL CENTER LATHES

The machine works as a universal center lathe in manual mode being controlled by the handwheels. If required, the operation mode can be shifted to the full CNC control.

MAIN ADVANTAGES

Ideal machine for a user switching from conventional to CNC controlled lathe.

Easy operation.

Manual, cycle and automatic mode.

Software support for contour programming as well as DIN programming.

Axis positioning through servomotors.

Control system options - SIEMENS, FANUC, HEIDENHAIN.

Option of the 8-positional turret with live tools.

Wide scope of executions and accessories – hydraulic clampings, chip conveyors, drilling bar holders, steady and follow rests, faceplates and chucks, hydraulic tailstock.



Machine type series	Unit	SE320 series
Max swing diameter	mm	320
Max swing diameter over cross slide	mm	170
Distance between centers	mm	750
Max turning diameter w/turret	mm	210
Spindle bore	mm	42/57
Max weight in centers/ overhung	kg	200/60

CNC UNIVERSAL CENTER LATHES

Numeric Basic



SE320 Numeric Basic



SE520 Numeric Basic



SE820 Numeric Basic



SE1020 Numeric Basic

Numeric Turret



SE320 Numeric T



SE520 Numeric T



SE820 Numeric T



SE1020 Numeric T

Numeric Turret Milling



SE520 Numeric T.M



SE820 Numeric T.M



SE1020 Numeric T.M

Numeric Turret Milling C-axis



SE820 Numeric T.M.C



SE1020 Numeric T.M.C



SE520 series	SE820 series	SE1020 series
520	800	1020
290	515	740
950-2000	2000-8000	2000-8000
300	665	955
77/105	133	133
1000/80	3500/250	3500/250

UNIVERSAL CENTER LATHES

Machines of outstanding performance designed for one-off and small batch production are suitable also for maintenance and repair shops. TRENS lathes are precise and reliable machines in a wide range of versions and optional accessories.

MAIN ADVANTAGES

- Easy maintenance.
- Long lifetime.
- Low operating costs.
- Simple and ergonomic control.
- High turning precision.

Possibility to cut all types of threads with wide range of pitches.

Wide range of optional accessories – digital read-outs, quick change tool posts, rolling contact bearings for steadies, micrometric stops, taper turning attachments, faceplates and chucks.



Machine type series	Unit	SN32 Classic	SN50 Classic	SN500
Max swing over bed	mm	330	500	505
Max swing over cross slide	mm	168	270	270
Distance between centers	mm	750-1000	1000-2000	1000-2000
Swing in bed gap	mm	520	700	700
Spindle bore	mm	52	52	77/105
Bed width	mm	340	340	340

UNIVERSAL CENTER LATHES



Classic



SN32 Classic



SN50 Classic



SN500 Classic



SN71 Classic



SN710 Classic

Classic	SN71 Classic	SN710 Classic	SUI80 Classic VS
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710	720	800
420	430	520
1500-4000	1500-4000	1500-8000
960	960	870
73,5	77/105/130	92
450	450	550

Classic VS



SUI80 Classic VS



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