



1.1.2017 alkaen meillä huippu laadukkaiden Japanilaisten
Magnescale mittalaitteiden maahantuonti - kysy lisää!

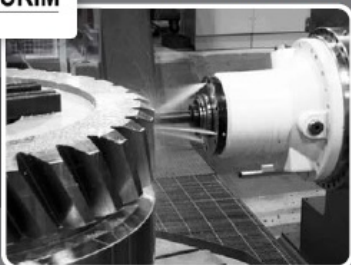
Magnescale

SPEED X PRECISION

PARANNA KILPAILUKYKYÄSI! Koneet Kohtuuhintaan Koskelalta

TOS KUŘIM
ALTA GRIP

Aarporat,
pitkäjäyrsin-
koneet,
portaalit



RASKAASEEN TYÖSTÖÖN

ČKD BLANSKO-OS
ALTA GRIP

Karuselli-
sorvit



ROMI

Sorvaus- ja
työstökeskukset,
opetettavat sorvit, VTL

EMEC
MACHINE TOOLS

Sorvaus-, poraus-
ja työstökeskukset

C.B.Ferrari

Huippunopeat
3-5-akseliset
keskukset

AKYAPAK
NANOGEN NANOPIK

Levyn- ja profiilin-
pyörästyskoneet,
putkentaivutus-koneet
ja palkkilinjat, ym.

MVD INAN

Levyleikkurit ja
särmärit

Pinacho

Kärkisorvit ja
opetettavat
CNC-sorvit

35 VUOTTA LAADUKASTA HUOLTOYHTEISTYÖTÄ.

**PYDÄ
TARJOUS!**



Työstökoneliike M. Koskela Oy
Machine Tools Company since 1978
Jänismaantie 28, 67800 KOKKOLA
www.mkoskela.fi

**KONEMYYNTI JA
HUOLTOPALVELUT**
Marko Koskela 040 357 1222



Conventional Vertical Slotting Machines Models S 200 TGI and S 315 TGI

Manual controlled

S 200 TGI and **S 315 TGI** Vertical Slotting Machines are universal machines used for the following operations:

- Slotting of various types of canals in various openings of machine details
- Slotting of flat surfaces

These operations can be performed on details of different sizes and different materials.

Machines are produced under strict quality control and respond to all safety standards.



S 200 TGI



S 315 TGI

Features:

- Automatic tool stop;
- Adjustable speed of the double strokes per minute through mechanical variator;
- Digital readout for the double strokes per minute;
- Semi-Automatic cycle of the longitudinal feed from 0.01 to 0.3 mm/stroke.
- Schneider / Telemecanique element base
- CE Norms
- Made in Bulgaria

Technical characteristics		S 200 TG	S 315 TG
Tool travel	mm	0-200	0-315
Double strokes per minute (step-less)	No.	17-60	17-60
Ram adjustment height	mm	210	235
Swivel angle of the head	(°)	±45	±45
Head to table distance	mm	355	510
Tool to column distance	mm	350	460
Worktable	mm	300 x 600	430 x 700
Diameter of the rotating table	mm	315 mm (hole 32 mm)	450 mm (hole 80 mm)
Number of the fixed positions of the rotating table	No.	24	24
Longitudinal travel of the worktable	mm	270	265
Cross travel of the worktable	mm	230	200
Self-breaking main motor	KW/Hp	4.0kW/5,5HP	4.0kW/5.5HP

Net weight	kg	875	1310
Overall dimensions	mm	860 x 1350 x 1820	1000 x 1500 x 2250
On wooden skid	mm	1100 x 1500 x 2050	1150 x 1800 x 2450

Standard accessories:	S 200 TGi	S 315 TGi
Automatic cross feed – from 0,0 to 0.3 mm / double stroke with controlled stop at end of channel.	yes	yes
Automatic lubrication system	yes	yes
Low voltage working light	yes	yes
Instructions manual	yes	yes
Protection screen	yes	yes
Tool kit	yes	yes

Optional accessories

Cooling System
Set of slotting tools – size 4,5,6,8,10,12 – other sizes also available
Digital Readout on 2 axes
Digital Readout for the rotating table
Universal chuck – dia 250 mm

Vertical Slotting Machines Models S 200 D and S 315 D

PLC controlled on (1) one axis

Technical characteristics		S 200 D	S 315 D
Tool travel	mm	0-200	0-315
Double strokes per minute (step-less)	No.	14-72	14-60
Ram adjustment height	mm	210	235
Swivel angle of the head	(°)	±45	±45
Head to table distance	mm	355	510
Tool to column distance	mm	350	460
Worktable	mm	300 x 600	430 x 700
Diameter of the rotating table	mm	315 mm (hole 32 mm)	450 mm (hole 80 mm)
Number of the fixed positions of the rotating table	No.	24	24
Longitudinal travel of the worktable	mm	270	265
Cross travel of the worktable	mm	230	200
Self-breaking main motor	KW/Hp	4.0kW/5,5HP	4.0kW/5.5HP
Net weight	kg	875	1310
Overall dimensions	mm	860 x 1350 x 1820	1000 x 1500 x 2250
On wooden skid	mm	1100 x 1500 x 2050	1150 x 1800 x 2450

Standard accessories:

S 200 D

S 315 D

Fully Automatic cross feed cycle – from 0.01 to 0.5 mm / double stroke (machine starts, rapid travelling to working piece, manufacturing the channel and returning itself back to initial position).	yes	yes
Touch-screen display	yes	yes
Ball-screws on cross axes	yes	yes
Digital reading on cross axes travel	yes	yes
Rapid traverse on cross travel axes	yes	yes
Digital reading on rotation table	yes	yes
Automatic lubrication system	yes	yes
Cooling system	yes	yes
Low voltage working light	yes	yes
Instructions manual	yes	yes
Protection screen	yes	yes
Tool service kit	yes	yes

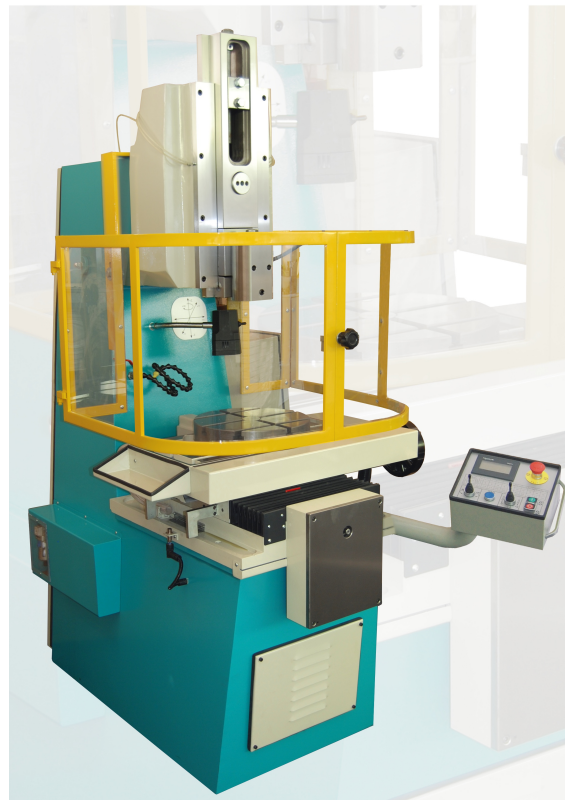
Vertical Slotting Machines Models S 200 DR and S 315 DR

PLC controlled on (2) two axis

S 200 DR and **S 315 DR** Vertical Slotting Machines are PLC controlled machine used for the following operations:

- Slotting of various types of canals in various openings of machine details
- Slotting of orthogonal and involute splines
- Slotting of gear wheels
- Slotting of flat surfaces

These operations can be performed on details of different sizes and different materials. Machines are produced under strict quality control and respond to all safety standards.



S 200 DR



S 315 DR

Technical characteristics		S 200 DR	S 315 DR
Tool travel	mm	0-200	0-315
Double strokes per minute (step-less)	No.	14-72	14-60
Ram adjustment height	mm	210	235
Swivel angle of the head	(°)	±45	±45
Head to table distance	mm	355	510
Tool to column distance	mm	350	460
Worktable	mm	300 x 600	430 x 700
Diameter of the rotating table	mm	315 mm (hole 32 mm)	450 mm (hole 80 mm)
Number of fixed positions of the rotating table	No.	24	24
Longitudinal travel of the worktable	mm	270	265
Cross travel of the worktable	mm	230	200
Self-breaking main motor	KW/Hp	4.0kW/5,5HP	4.0kW/5.5HP
Net weight	kg	875	1310
Overall dimensions	mm	860 x 1350 x 1820	1000 x 1500 x 2250
On wooden skid	mm	1100 x 1500 x 2050	1150 x 1800 x 2450

Standard accessories:	S 200 DR	S 315 DR
Fully Automatic cross feed cycle – from 0.01 to 0.5 mm / double stroke (machine starts, rapid travelling to working piece, manufacturing the channel and returning itself back to initial position).	yes	yes
Fully Automatic cycle on rotation of table and stop positioning with accuracy 0.02 deg. Note: 6.0 atmosphere air supply is to be secured for table rotation!	yes	yes
Step-less feed on longitudinal cycle for continuous cut force		
Touch-screen display	yes	yes

Ball-screws on cross axes	yes	yes
Manual control by means of joy stick + rapid traverse on cross axes	yes	yes
Manual control by means of joy stick + rapid traverse on rotation table	yes	yes
Digital reading on cross axes travel	yes	yes
Digital reading on rotation table	yes	yes
Automatic lubrication system	yes	yes
Cooling system	yes	yes
Low voltage working light	yes	yes



M. Koskela OY
Machine Tools Company since 1978

Työstökone-liike M. Koskela OY
Jänismaantie 28
67800 Kokkola
FINLAND

Phone: +358 (0)40 357 1222
Email: tyostokone@mkoskela.fi
Web: www.mkoskela.fi
Ly: 2251536-3

Instructions manual	yes	yes
Protection screen	yes	yes
Tool service kit	yes	yes



Vertical Slotting Machines Model S 315 CNC

CNC control on (3) three axes

CNC "Fagor 8037" System

S 315 CNC Vertical Slotting Machines is a CNC controlled machine used for the following operations:

- Slotting of various types of canals in various openings of machine details
- Slotting of orthogonal and involute splines
- Slotting of gear wheels
- Slotting of polygons – squares, hexagons etc...
- Slotting of flat surfaces

These operations can be performed on details of different sizes and different materials. Machines are produced under strict quality control and respond to all safety standards.



S 315 CNC

Technical characteristics		S 315 CNC
Tool travel	mm	0-315
Double strokes per minute (step-less)	No.	14-72
Ram adjustment height	mm	235
Swivel angle of the head	(°)	±45
Head to table distance	mm	510
Tool to column distance	mm	460
Worktable	mm	430 x 700
Diameter of the rotating table	mm	450 mm (hole 80 mm)
Number of fixed positions of the rotating table	No.	24
Longitudinal travel of the worktable	mm	235
Cross travel of the worktable	mm	200
Self-breaking main motor	KW/Hp	4.0kW/5.5HP
Net weight	kg	1400
Overall dimensions	mm	1000 x 1500 x 2250
On wooden skid	mm	1610 x 2330 x 2450

Standard accessories:	S 315 CNC
Full three-axis CNC "Fagor 8037" System (Longitudinal and cross axis + table rotation) Note: 6.0 atmosphere air supply is to be secured for table rotation!	yes
Accuracy of linear positioning – 0.01 mm.	yes
Accuracy of angular positioning – 0.015 deg.	yes
Ball-screws for work axes – longitudinal and cross	yes
Variable feed for constant cutting force.	
Mechanical lock and compressed air unlock of rotating table.	yes
Ready subprograms for usual types of work – channels, splines, polygons...etc.	yes
Automatic lubrication system	yes
Cooling system	yes
Low-voltage working light	yes
Tool service kit	yes
Instruction Manual	yes