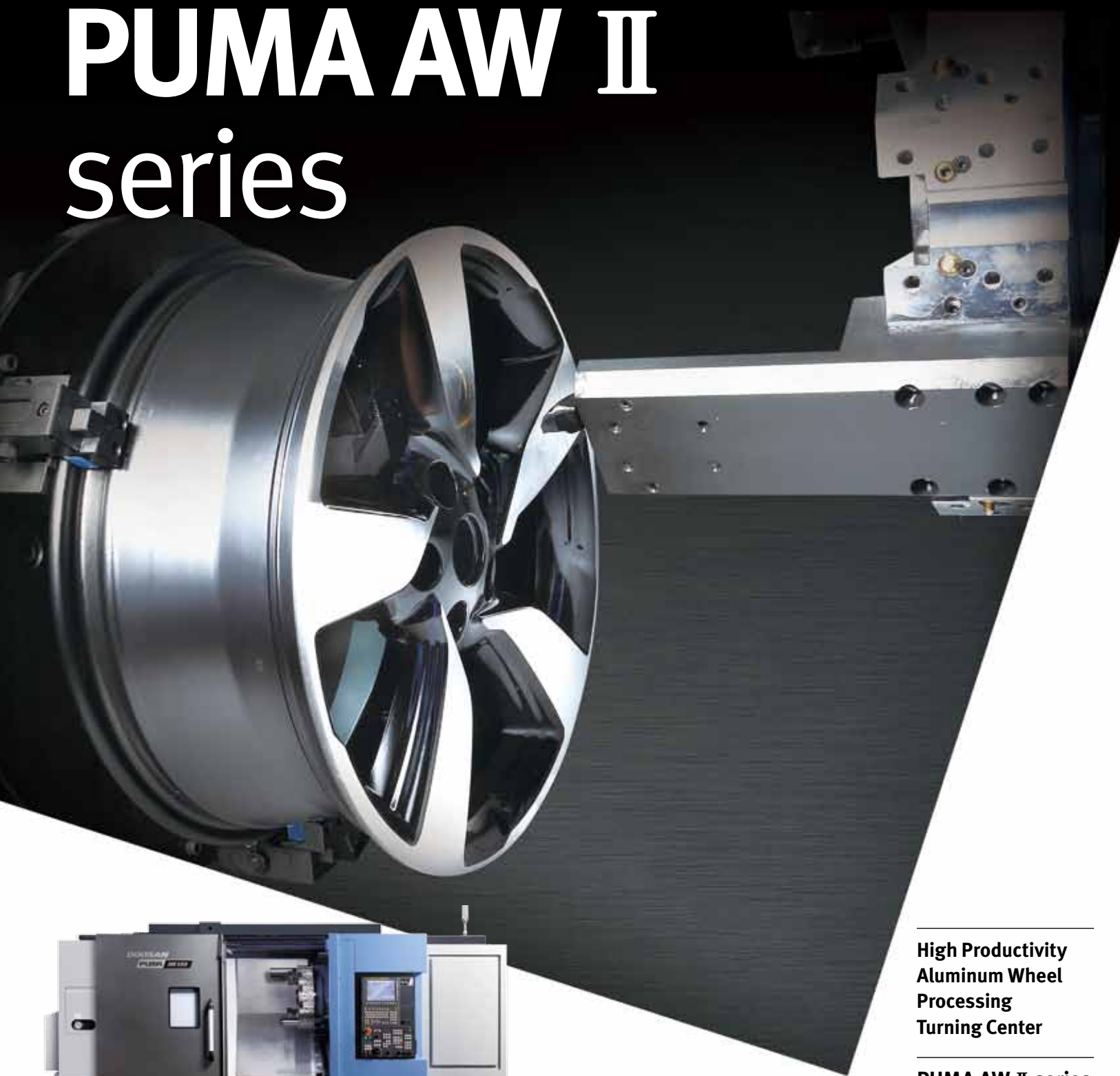
DOOSAN

Optimal Solutions for the Future

PUMA AW Ⅱ series



High Productivity Aluminum Wheel Processing Turning Center

PUMA AW Ⅱ series

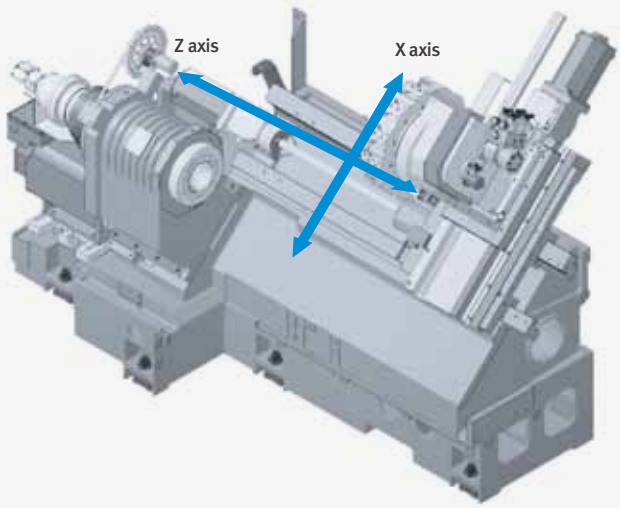
PUMA AW560 Ⅱ
PUMA AW660 Ⅱ
PUMA AW560MF Ⅱ

ver. EN 160902 SU

Basic structure

The PUMA AW560/660II Series offer greatly enhanced user convenience and chip disposal capacity in addition to the powerful cutting capacity of the preceding model.

Optimized for the machining of aluminum alloy wheels, the PUMA AW II Series delivers a very high level of accuracy thanks to its anti-vibration structure. In particular, MF model is capable of mirror surface finishing with extremely low surface roughness.



Description		Unit	PUMA AW560 II	PUMA AW660 II	PUMA AW560MF II
Travel distance	X axis	mm (inch)	362 (14.3)		
	Z axis	mm (inch)	720 (28.3)		
Rapid traverse	X axis	m/min (ipm)	16 (629.9)		
	Z axis	m/min (ipm)	20 (787.4)		

Working range

The Series offer wide machining area for processing a wide variety of aluminum wheel sizes.

Max. turning diameter

PUMA AW560 II / 560MF II
Ø550 (Ø21.7)

PUMA AW660 II
Ø650 (Ø25.6)

finger chuck

Description	Unit	PUMA AW560 II	PUMA AW660 II	PUMA AW560MF II
Max. turning dia.	mm (inch)	Ø550 (Ø21.7)	Ø650 (Ø25.6)	Ø550 (Ø21.7)
Recommended turning dia.	mm (inch)	508 (20")	610 (24")	508 (20")
Max. turning length	mm (inch)	710 (28.0)		

Spindle

The spindle with high power and torque provides high accuracy cutting at high speed and heavy-duty cutting at low speed. especially MF type model has built-in spindle so that, offer better surface with high accuracy.

Max. turning speed

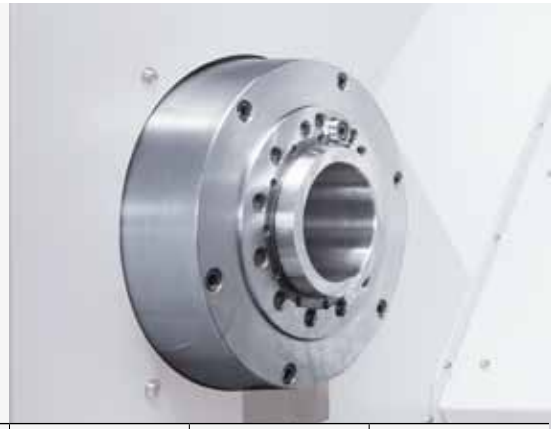
2500 r/min

Max. power (30min/cont.)

37/30 kW (49.6/40.2 Hp)

Max. torque

538 N·m (397.0 ft-lbs)



Description	Unit	PUMA AW560 Ⅱ	PUMA AW660 Ⅱ	PUMA AW560MF Ⅱ
Spindle speed	r/min	2500	2000	2500
Spindle power (30min/cont.)	kW (Hp)	37/30 (49.6/40.2)	37/30 (49.6/40.2)	30/25 (40.2/33.5)
Spindle torque	N·m (ft-lbs)	461 (340.2)	538 (397.0)	325 (239.9)
Spindle type	-	Belt drive		Built-in spindle

Turret

The biggest-in-class curvic coupling and hydraulic clamp of the highest power inhibit vibration, extend tool life, and guarantee higher cutting power as well as reliability.

Index station

12 ea

1station swivel

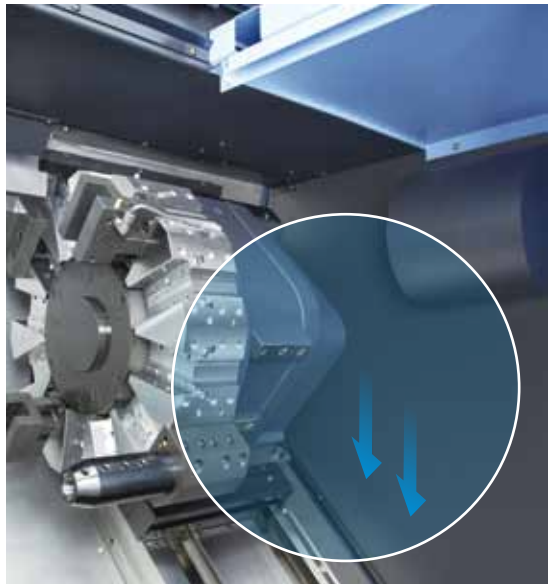
0.25 sec

1station index

0.9 sec

Chip disposal

The streamlined cover with steeper angle removes chips at much higher efficiency. The new Series specially boast of enhanced convenience features for chip disposal and maintenance.



Major Specifications

PUMA AW Ⅱ series

Description	Unit	PUMA AW560 Ⅱ	PUMA AW660 Ⅱ	PUMA AW560MF Ⅱ
Max turning dia.	mm (inch)	Ø 550 (Ø 21.7)	Ø 650 (Ø 25.6)	Ø 550 (Ø 21.7)
Recommended turning dia.	inch	508 (20'')	610 (24'')	508 (20'')
Travel distance (X / Z axis)	mm (inch)	362 / 720 (14.3 / 28.3)		
Rapid traverse (X / Z axis)	m/min (ipm)	16 / 20 (629.9 /787.4)		
Max. spindle speed	r/min	2500	2000	2500
Spindle motor power (30min/cont.)	kW (Hp)	37/30 (49.6/40.2)	37/30 (49.6/40.2)	30/25 (40.2/33.5)
Spindle nose	ASA	A2-8	A2-11	A2-8
Tool station	ea	12		
Layout (length x width)	mm (inch)	3730 x 2000 (146.9 x 78.7)		
CNC specification	-	DOOSAN FANUC i		FANUC 31i

Doosan Machine Tools

http://www.doosanmachinetools.com
www.facebook.com/doosanmachinetools

Optimal Solutions for the Future

Head Office
Yeonkang Bldg., 6th FL., 270, Yeonji-dong,
Jongno-gu, Seoul, Korea
Tel +82-2-3670-5345 / 5362
Fax +82-2-3670-5382

Doosan Machine Tools China
Room 101,201,301, Building 39 Xinzhuan Highway
No.258 Songjiang District,China Shanghai(201612)
Tel +86 21-5445-1155
Fax +86 21-6405-1472

Doosan Machine Tools Japan
#2412, Mita Kokusai Bldg. 1-4-28 Mita,
Minato-ku, Tokyo 108-0073, Japan
Tel +81 3 5730 9013
Fax +81 3 5730 9016

Doosan Machine Tools America
19A Chapin Rd., Pine Brook, NJ 07058, U.S.A.
Tel +1-973-618-2500
Fax +1-973-618-2501

Doosan Machine Tools Europe
Emdener Strasse 24, D-41540 Dormagen, Germany
Tel +49-2133-5067-100
Fax +49-2133-5067-111

Doosan Machine Tools India
106 / 10-11-12, Amruthahalli, Byatarayanapura,
Bellary road, Bangalore-560 092, India
Tel +91-80-4266-0122 / 121 / 100

* For more details, please contact Doosan Machine Tools.
* The specifications and information above-mentioned may be changed without prior notice.
* Doosan Machine Tools Co., Ltd. is a subsidiary of MBK Partners. The trademark DOOSAN is used under a licensing agreement with Doosan Corporation, the registered trademark holder.