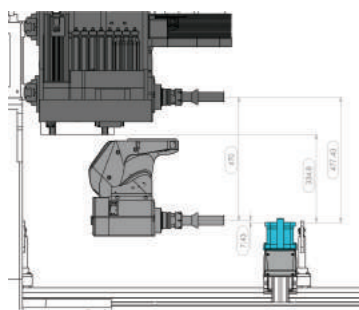


## ENDLESS PROCESSING WITH 5 AXIS CONFIGURATION

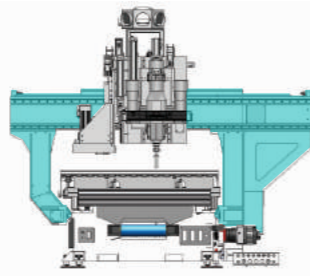


Latest technology special 5 axis head making most complex works easily thanks to special design and structure. With 5 Axis interpolation on the head ensures high quality results, precision and fast processing. Spindle power can increase according to customer needs, liquid cooling ensures long term reliability.



**HIGH Z AXIS STROKE THAT ALLOWS FLEXIBLE PROCESSING**

Z Axis stroke allows flexible production with high processing capacity, Z axis stroke at optimum level.



**MORE STRONG BODY STRUCTURE WITH GANTRY SYSTEM**

Machine has been designed to work with gantry system, system ensures excellent finishing quality and acceleration on high speed processing.

## CREATIVE SOLUTIONS FOR 5 AXIS PROCESSING WITH FLEXIBLE CAD/CAM APPLICATIONS

Alphacam is a full-features, easy to use CAD/CAM program solution for manufacturers who desired fast, efficient tool paths and create ready and reliable CNC codes. Alphacam Advanced Router 3D module allows easy design and processing even for most complex 5 axis drawings.



### 5 AXIS MACHINING APPLICATIONS

Module can make 5 axis processing applications, 3D engraving operations and routing operations easily. Alphacam supports STL, DXF, DWG and many more file extensions and can prepare drawings for processing that prepared on different programs.

## HIGH LEVEL USAGE WITH LATEST TECHNOLOGY VACUUM EQUIPMENTS



Working table consists of latest technology vacuum consoles and blocs. Each console has vacuum blocs and reference pistons, thanks to this units referencing and piece immobilization can make easily. Unloading pistons on consoles allows to make easy unloading of the piece. Number of consoles can increase optionally.



## MULTIWAY USAGE WITH AGGREGATE OPTIONS

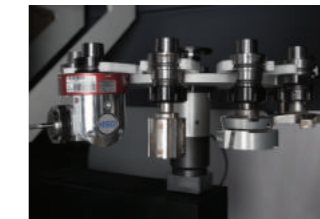


Multiway usage is possible with aggregate units that are presented as optional feature. High technology aggregate units ensure excellent results on different applications.



**MORE CLEAN WORKING AREA WITH CONVEYOR BELT**

Optionally added conveyor belt carry the waste pieces and chips outside of the working area, provides more clean working area.



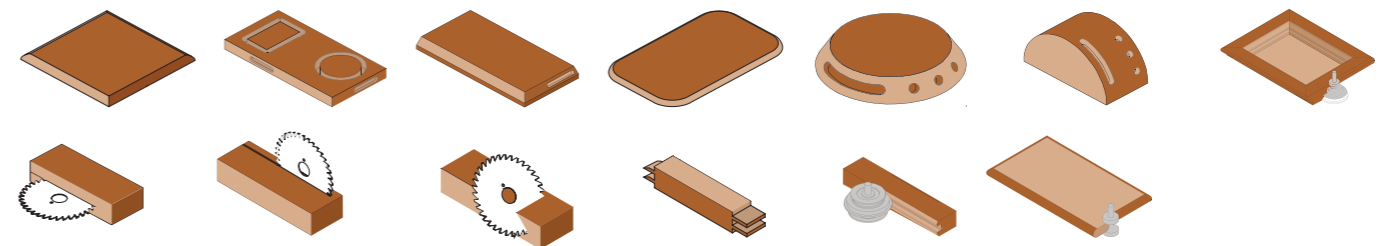
**ROTARY MAGAZINE UNIT**

12 tools capacity rotary tool changer unit exist on the machine as standard feature. Unit can hold heavy tools, aggregates and saw blades up to 300mm. It can make tool change operation faster than linear tool changer system and reduced tool changer time

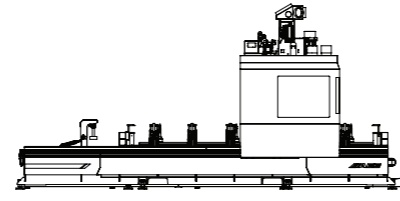
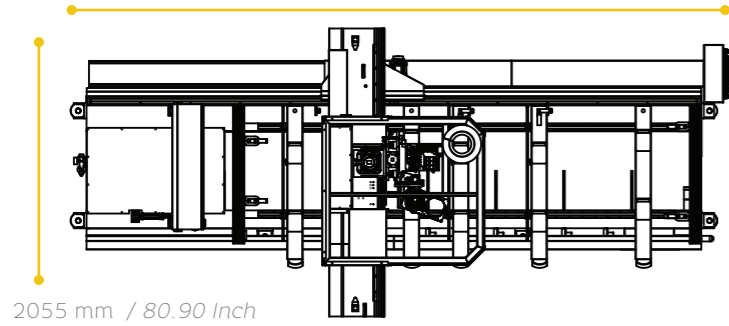


**LINEAR TOOL CHANGER UNIT**

Machine has 14 tools capacity linear tool changer system as optional feature. Unit can hold heavy tools and aggregates for processing.



7360 mm / 289.76 Inch



9500 mm / 374.01 Inch

## TECHNICAL SPECIFICATIONS

AÇIKLAMALAR / EXPLANATIONS	1625	1632	1645	1660
Çalışma Alanı Ölçüleri Working Area Dimensions	1.550mmx2.500mm 61.02x98.42 inch	1.550mm x3.200mm 61.02x125.98 inch	1.550mm x4.500mm 61.02x177.16 inch	1.550mm x6.000mm 61.02x236.22 inch
Z Eksen Mesafesi Z Axis Stroke	470 mm 18.50 inch	470 mm 18.50 inch	470 mm 18.50 inch	470 mm 18.50 inch
A Eksen Açısı A Axis Angle	Sınırsız Endless	Sınırsız Endless	Sınırsız Endless	Sınırsız Endless
C Eksen Açısı C Axis Angle	±220°	±220°	±220°	±220°
Magazin Ünitesi Magazine Unit	Hareketli (12 Takım) Rotary (12 Tools)	Hareketli (12 Takım) Rotary (12 Tools)	Hareketli (12 Takım) Rotary (12 Tools)	Hareketli (12 Takım) Rotary (12 Tools)
Spindle Motor Gücü Spindle Motor Power	13 kW HSK F63 15 HP HSK F63	13 kW HSK F63 15 HP HSK F63	13 kW HSK F63 15 HP HSK F63	13 kW HSK F63 15 HP HSK F63
Spindle Motor Devri Spindle Motor Rpm	20.000 rpm	20.000 rpm	20.000 rpm	20.000 rpm
Çoklu Delik Ünitesi Boring Unit	Opsiyonel Optional	Opsiyonel Optional	Opsiyonel Optional	Opsiyonel Optional
CAD/CAM Program CAD/CAM Program	Alphacam Advanced Router 3D	Alphacam Advanced Router 3D	Alphacam Advanced Router 3D	Alphacam Advanced Router 3D
Çalışma Tablası Yapısı Working Table Structure	Konsol Tabla Console Type	Konsol Tabla Console Type	Konsol Tabla Console Type	Konsol Tabla Console Type
Vakum Konsolu Sayısı Vacuum Console Number	4 Adet 4 Pieces	6 Adet 6 Pieces	8 Adet 8 Pieces	10 Adet 10 Pieces
Eksen Hızları (X-Y-Z) Axis Speeds (X-Y-Z)	100 – 100 – 20 m/min 328-328-65 ft/min	100 – 100 – 20 m/min 328-328-65 ft/min	100 – 100 – 20 m/min 328-328-65 ft/min	100 – 100 – 20 m/min 328-328-65 ft/min
Eksen Hızları (A-C) Axis Speeds (A-C)	120°/sn 120°/sec	120°/sn 120°/sec	120°/sn 120°/sec	120°/sn 120°/sec
Vakum Pompası Gücü Vacuum Pump Power	100m³/h 4.8 HP	140m³/h 5.4 HP	140m³/h 5.4 HP	250m³/h 8.9 HP
Çalışma Alanı Working Area	Tek Bölge Single Area	Çift Bölge Double Area	Çift Bölge Double Area	Çift Bölge Double Area
Konveyör Ünitesi Conveyor Belt	Opsiyonel Optional	Opsiyonel Optional	Opsiyonel Optional	Opsiyonel Optional
Kontrol Ünitesi Control Unit	PC Tabanlı PC Based	PC Tabanlı PC Based	PC Tabanlı PC Based	PC Tabanlı PC Based
Kuru Güç Installed Power	30 kW 40 HP	30 kW 40 HP	30 kW 40 HP	30 kW 40 HP
Ağırlık(Yaklaşık Olarak) Weight (Approx.)	3.700 kg 8157 lbs	4.500 kg 9920 lbs	5.800 kg 12786 lbs	7.100 kg 15652 lbs

Technical features on the machine may change. AES Group reserves its modify rights the technical features on this document.



### AES Merkez Headquarter:

NOSAB Seftali Cd. 118. Sk. No:4  
16140 Bursa / TURKEY  
T: +90 224 443 33 90 F: +90 224 443 29 65  
info@aesgroup.com.tr

### AES America Branch:

2800 Lively Boulevard.  
Elk Grove Village IL60007 USA  
T: +1 847 879 11 46 F: +1 847 430 48 03  
usa@aesgroup.com.tr

www.aesgroup.com.tr



## Single Machining Center for Different Type of Applications

Vega 5X series present highest level solutions for wood and plastic applications with adaptive flexible structure and wide options. It ensures high performance even for most complex applications with 5 axis interpolation, provides optimum processing for creative results and high level usage.



# VEGA 5X