

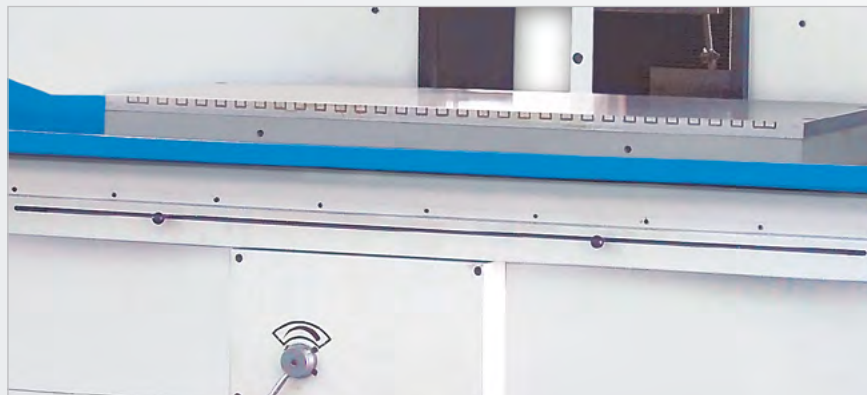


High-Capacity Surface Grinders

# HFS E VR

## High-Performance Surface Grinders with programmable Siemens PLC Control

- Including 2-axis position indicator
- Travel distances  
X axis up to 98 “  
Y axis up to 35 “



HFS E VR

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- servo drives on X and Y axis for maximum precision
- PLC controls Y and Z axis and provides additional programming of grinding speed
- Y and X axis can be positioned via an electronic hand wheel
- headstock runs in preloaded angular ball bearings and features high load capacity
- X and Y axis guideways are counter-laminated (plastic)
- separate hydraulic unit with oil cooler
- X axis with high-dynamic, hydraulic drive
- combination of boxways and V-guides on X and Y, plus rectangular guideway on Z
- premium components ensure maximum accuracy for continuous operation



## DESCRIPTION

# HFS E VR



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## SPECIFICATIONS

Specifications HFS E	80160 VR	80220 VR
<b>Working area</b>		
X axis travel	75 "	98 "
Y axis travel	35 "	35 "
sanding area (max.)	63 x 32 "	87 x 32 "
workpiece weight (max.)	3,586 lbs	4,928 lbs
spindle axis-to-table distance (max.)	32 "	32 "
table dimensions	63 x 32 "	87 x 32 "
T-slots (spacing x qty x width)	9.8" x 3 x 0.9"	9.8" x 3 x 0.9"
scale ring division - Y axis	0.0002 „ (electronic hand-wheel)	
scale ring division Z axis	0.0002 „ (electronic hand-wheel)	
feed per hand-wheel rotation Y axis	0.02" / 0.2"	0.02" / 0.2"
feed per hand-wheel rotation Z axis	0.02" / 0.2"	0.02" / 0.2"
<b>Feed</b>		
feed speed, X axis	197 - 984 "/min	197 - 984 "/min
feed speed, Y axis	2 - 79 "/min	2 - 79 "/min
autom. feed Y axis	1 - 30 "	1 - 30 "
autom. feed Z axis	0,005 - 0,05 "	0,005 - 0,05 "
Z axis rapid feed	2 - 79 "/min	2 - 79 "/min
<b>Drive Capacities</b>		
headstock motor	24.8 Hp	24.8 Hp
motor rating - hydraulic pump	7.4 Hp	7.4 Hp
total connected load	28.5 kVA	28.5 kVA
electromagnetic clamping plate	(2x) 32 x 32 "	(2x) 39 x 31 "
<b>Dimensions/Weight</b>		
grinding wheel dimensions	20 x 3 x 12 "	20 x 3 x 12 "
overall dimensions (L x W x H)	185 x 138 x 107 "	236 x 138 x 107 "
weight	22,000 lbs	25,300 lbs
Part No.	124 412	124 413

## Standard Equipment

- 2-axis position indicator
- electronic hand-wheel
- grinding wheel
- hydraulic oil cooler
- coolant system
- magnetic clamping plate
- grinding wheel flange
- balancing shaft
- balancing station
- splatter guard
- adjustable machine feet
- diamond dresser
- autom. central lubrication
- autom. degausser
- operating tools
- operator manual

## HFS E VR