

E N | **BULLDOG 7, DUPLEX**

Wide belt sanders

**Simple modular construction enabling
maximum productivity**



WIDE BELT SANDER

BULLDOG 7

Bulldog 7 series

Most advanced technology for demanding operations

910 / 1100 / 1300

The machine development is based on successful line of Bulldog wide-belt sanders which proved to be successful with customers worldwide.

The machine is designed for highly demanding operations, including sanding of massif, veneer surfaces, MDF, varnishes and base putties.

The permanent desk height enables to use the machine in technological lines.

The achieved high quality of grinded surfaces and the level of automated sanding processed ranks the machine amongst the higher medium class.

→ Introduction

Standard and Optional equipment

Technical Specifications

HOUFEK technological solutions



Features

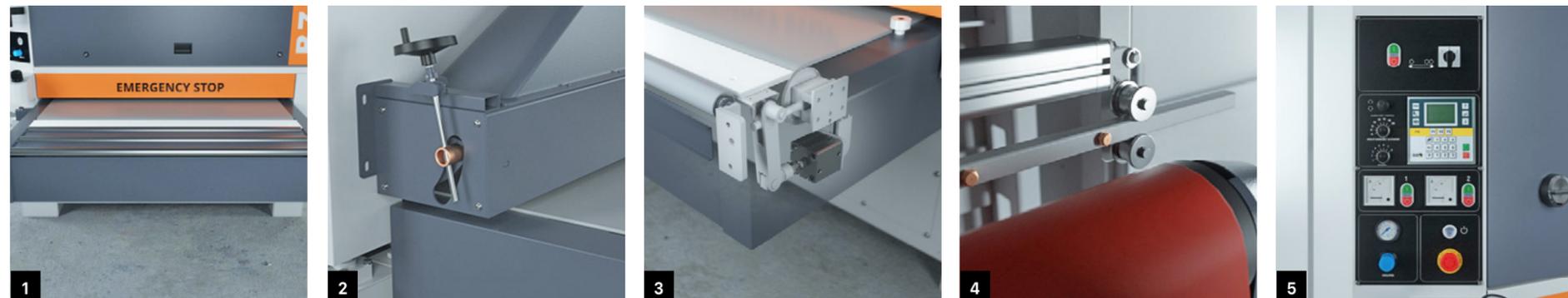
- Highly efficient brushing machine
- Workpiece height up to **160 mm**
- Motor power up to **5,5 kW**
- **10,4"** NC Touchscreen control panel

Applications

- Fine sanding, structuring, smoothing, and other completion works
- Fixed table enables to use Bulldog 7 in variety of production lines



STANDARD AND OPTIONAL EQUIPMENT



Standard equipment

- 1st unit spiral cutterhead Ø 180 mm (FC, FRC)
- 2nd sanding unit - two position rubbered roller Ø 160 mm, 45 Sh, 90Sh
- 3rd sanding unit - two position rubbered roller Ø 160 mm, 45Sh
- Divided infeed pressure segments for unit „F“
- Outfeed pressure bar for unit „F“
- Sanding belt size 930 x 2200, 1120 x 2200, 1320 x 2200 mm
- Automatic star / delta switch
- Ampermeters for motors of sanding units
- Infrared sensor control of sanding belt oscillation
- Fixed height of working table, moving sanding units, sanding belts
- Motorized height adjustment of sanding unit
- Electronic measuring of sanding units position with digital display
- Workpiece thickness measuring - positioner
- Automatic adjustment of working unit to set position
- Electronic height correction by abrasive belt grit size
- Programmable adjustment of sanding rollers/cutterhead
- Feed belt motor frequency inverter - speed 3 - 15 m/min
- Automatic feed belt tracking
- 3 infeed and 2 outfeed rubbered pressure rollers
- Main motor pneumatic disc brake
- Pressure switch 3,5 - 4,0 bar
- Air pressure regulation for sanding belt tension 2,5 - 5,5 bar (unit C)
- Noise reduction features

Optional equipment

- Motor 15 kW (20 HP), 18,5 kW (25 HP)
- Two speed motor for sanding belt - 9 / 18 m/s - max. 11 kW
- Two speed motor for unit height adjustment
- Sanding belt motor frequency inverter - speed 3 - 24 m/s
- NC machine control, colour Touchscreen 10,1"
- Rubbered roller Ø 160, 200 mm 30, 45, 60, 90 Sh
- Grooved steel roller Ø 160, 200 mm
- Reverse run of sanding belt including main motor frequency inverter - 1 unit
- Flat feeding belt
- Two position sanding pad with ascent and descent
- Two position pneumatic pad with synchronization of pad raise and fall and variable feed speed 3 - 15 m/min
- Two position segmented pneumatic pad with synchronization of pad raise and fall and variable feed speed 3 - 15 m/min, segment width 50 mm
- Timed air cleaning device for sanding belt
- Timed air cleaning device for sanding belt with moving jets
- Divided outfeed pressure segments for unit „F“
- Automatic workpiece thickness measuring - positioner
- Pressure bars for sanding short workpieces
- Sanding unit travel 220 mm
- Mechanical limitation of maximum material removal
- Front / rear extension table
- Ionizing bar
- Module for workpiece cleaning by rotating brush Ø 150 mm, 1,5 kW (2 HP)
- Module for workpiece cleaning by oscillation blower
- Module for feed belt cleaning
- Vacuum table
- Vacuum pump + silencer
- Pneumatic blast gate Ø 150, 180 mm (only for width 1300 mm) mm

TECHNICAL SPECIFICATIONS

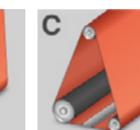
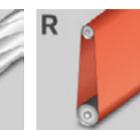
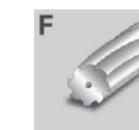
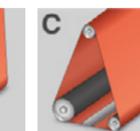
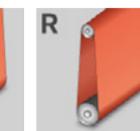
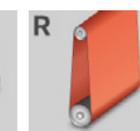
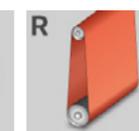
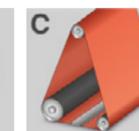
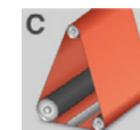
WIDE BELT SANDER

BULLDOG 7

BULLDOG 7 WIDE BELT SANDER

		910	1100	1300
Max working width	mm	910	1100	1300
Min. - max. working height	mm	3 - 160	3 - 160	3 - 160
Feed speed	m/min	3 - 15	3 - 15	3 - 15
Motor	kW	11	11	11
Sanding belt (L x W)	mm	2200 x 930	2200 x 1120	2200 x 1320
Contact roller diameter	mm	160	160	160
Sanding belt speed	m/s	18	18	18

UNIT CONFIGURATIONS



1. ADDITIONAL DESK INLET
2. MODULE FOR CLEANING PARTS WITH ROTATING BRUSH DIAMETER
3. AUTOMATIC CENTERING OF FEEDING BELT

4. PNEUMATIC TIME BLOW FOR CLEANING THE SANDING BELT
5. OPERATING PANEL

Duplex series

Excelent efficiency and productivity

910 / 1100 / 1300

Duplex is highly efficient wild-belt sander designed for double sided sanding of mostly board materials. The construction of Duplex is based on Bulldog series and the application of double sided sanding increases the work productivity.

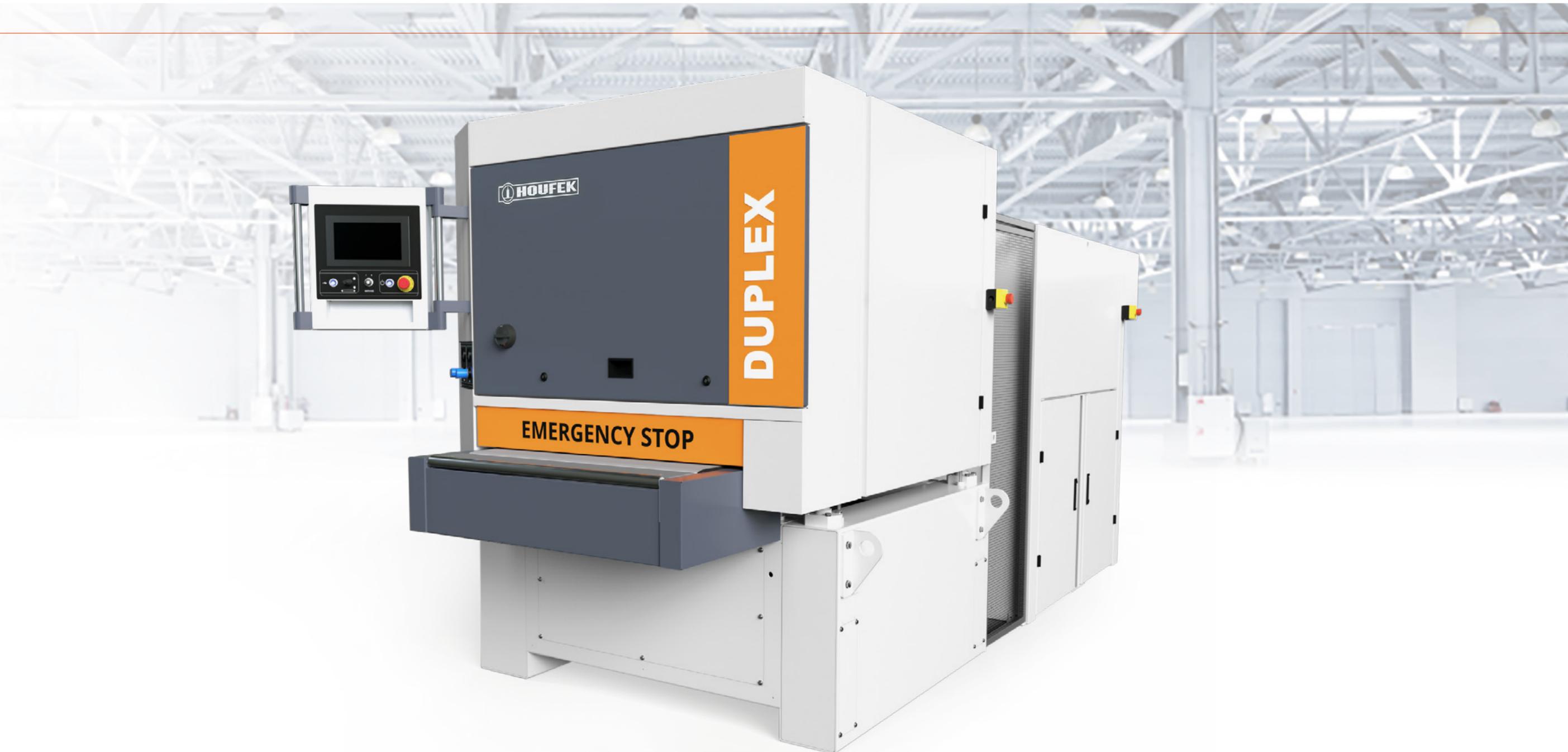
The permanent table height enables to use the Duplex in wide variety of production lines. The surface sanding quality and high level of automation ranks the machine in the highest class of woodworking machinery.

→ Introduction

Standard and Optional equipment

Technical Specifications

HOUFEK technological solutions



BRUSHING MACHINE
DUPEX

Features

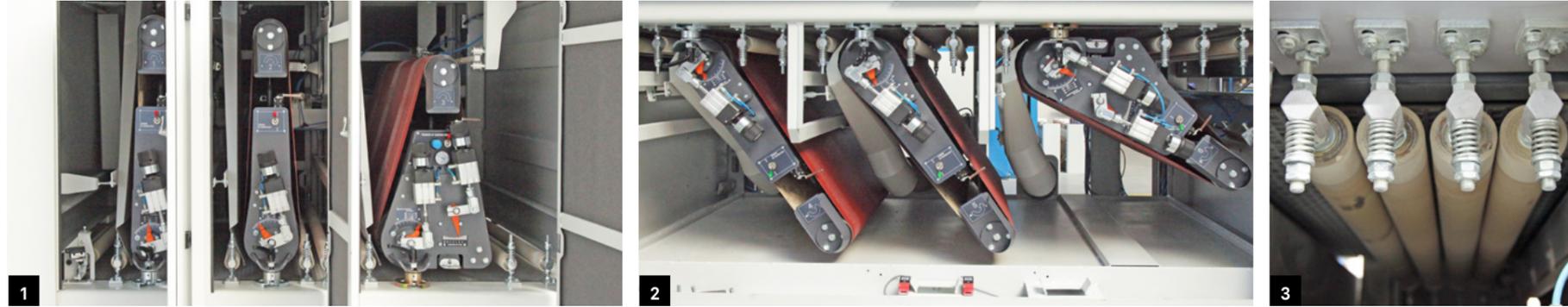
- Brushing medium-size workpieces
- Workpiece height up to **300 mm**
- Motor power up to **6 x 4 kW**
- Easy to use multipurpose machine

Applications

- Fine sanding, structuring, smoothing, and other completion works
- Twingo is suitable for small and medium woodworking facilities



STANDARD AND OPTIONAL EQUIPMENT



Standard equipment

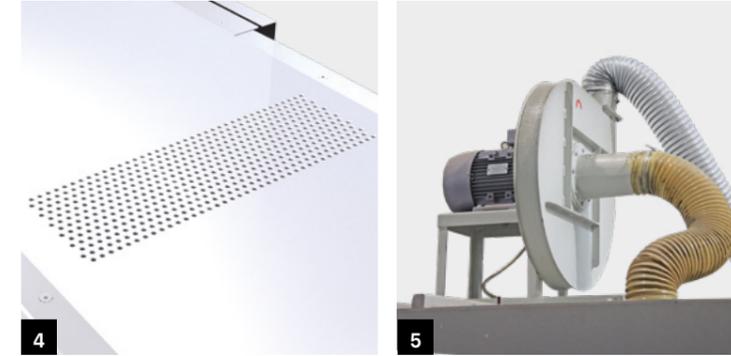
- Two sanding units: 1st type R, 2nd type C (R) + adjustable pad - top sanding
- Two sanding units: 1st type R, 2nd type C,(R) + adjustable pad - bottom sanding
- 1st roller rubbered Ø 160 mm, 90 Sh
- 2nd roller rubbered Ø 160 mm, 45 Sh
- Sanding belt size 930 x 1900, 1120 x 1900, 1320 x 1900 mm
- Min. length of workpiece 500 mm
- NC machine control, colour Touchscreen 10,1"
- Automatic star / delta switch
- Feed belt motor frequency inverter - speed 3 - 15 m/min
- Ampemeters for motors of sanding units
- Infrared sensor control of sanding belt oscillation
- Fixed table height, sanding belts
- Height adjustable sanding units
- Automatic adjustment of sanding unit to set position
- Programmable adjustment of sanding rollers
- Automatic feed belts tracking
- Rubbered pressure rollers
- Pneumatic disc brake of main motor
- Vacuum table - rear
- Vacuum pump
- Pressure switch 3,5 - 4,0 bar
- Noise reduction features

Optional equipment

- Motor 15 kW (20 HP), 18,5 kW (25 HP)
- Two speeds of sanding belt - 9 / 18 m/s, max 11 kW
- Two speed motor for sanding unit height adjustment
- Sanding belt motor frequency inverter - speed 3 - 24 m/s
- Rubbered roller Ø 160, 200 mm, 30, 45, 60, 90 Sh
- Grooved steel roller Ø 160, 200 mm
- Pneumatic pad with ascent and descent (RC - RC)
- Timed air cleaning device for sanding belt
- Timed air cleaning device for sanding belt with moving jets
- Automatic workpiece thickness measuring - positioner
- Pressure bars for sanding short workpieces
- Mechanical limitation of maximum material removal
- Front and rear extension table
- Ionizing bar
- Module for workpiece cleaning by rotating brush Ø 150 mm, 1,5 kW (2 HP)
- Module for workpiece cleaning by oscillation blower
- Vacuum table
- Pneumatic blast gate Ø 150, 180 mm (only for width 1300)
- Vacuum pump + silencer

TECHNICAL SPECIFICATIONS

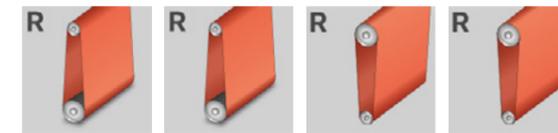
BRUSHING MACHINE
DUPLEX



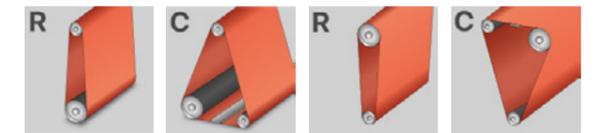
DUPLEX WIDE BELT SANDER

		910	1100	1300
Max. working width	mm	910	1100	1300
Min. - max. working height	mm	10 - 160	10 - 160	10 - 160
Feed belt speed	m/min	3 - 15	3 - 15	3 - 15
Motor	kW	11	11	11
Sanding belt (L x W)	mm	1900 x 930	1900 x 1120	1900 x 1330
Contact roller diameter	mm	160	160	160
Sanding belt speed	m/s	18	18	18

UNIT CONFIGURATIONS



1. UPPER UNITS
2. LOWER UNITS
3. RUBBER PRESSURE ROLLERS



4. VACUUM TABLE
5. VACUUM PUMP

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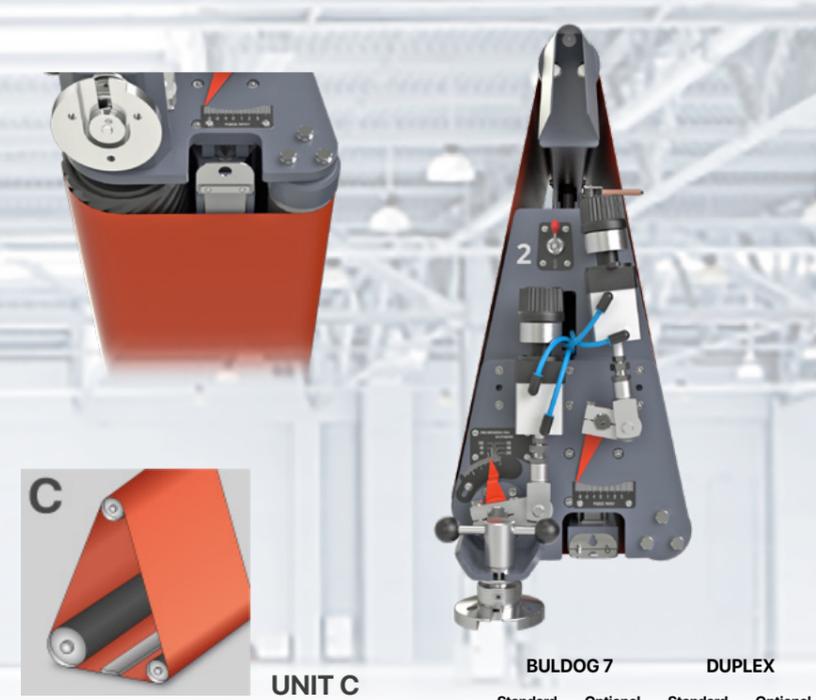
Houfek wide-belt sanders can be fitted with various aggregates for fine sanding of massif, veneer surfaces, MDF or base putties and varnishes.

The production line BULLDOG and DUPLEX wide-belt sanders represent machines of modular construction, which allows arranging various machines based on customer's requirements.

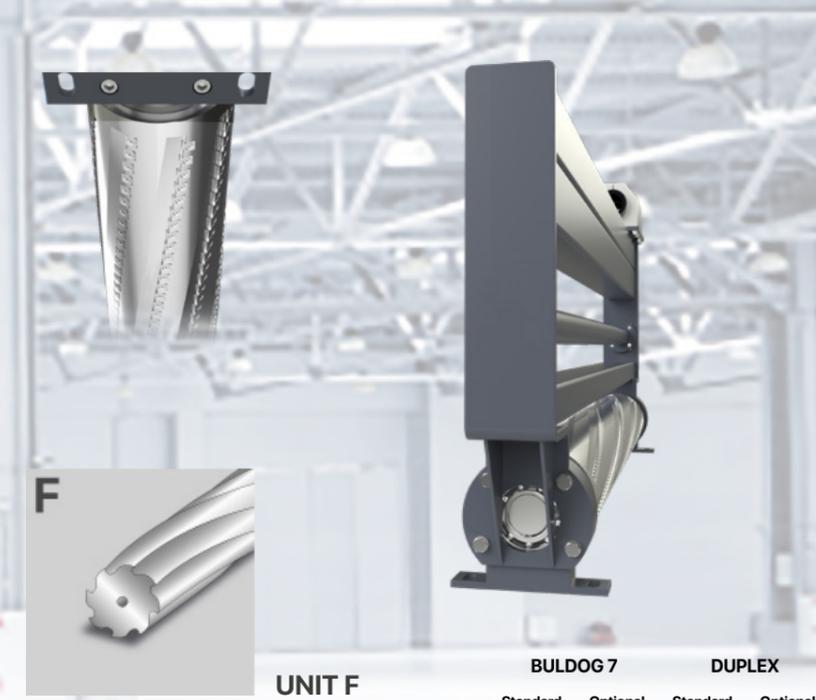
On customer's request, these standard-delivered groups may be completed or adjusted by further accessories expanding or adjusting their work options (including higher power of driving motors).



	UNIT R	BULLDOG 7		DUPLEX	
		Standard	Optional	Standard	Optional
Sanding belt length	mm	2200	-	1900	-
Sanding roller diameter	mm	160	200	160	200
Sanding belt motor power	kW	11	15 / 18,5 / 22	11	15 / 18,5 / 22
Sanding belt speed	m/s.	18	3 - 24	18	3 - 24



	UNIT C	BULLDOG 7		DUPLEX	
		Standard	Optional	Standard	Optional
Sanding belt length	mm	2200	2200	1900	-
Sanding roller diameter	mm	160	-	160	-
Sanding belt motor power	kW	11	15 / 18,5 / 22	11	15 / 18,5 / 22
Sanding belt speed	m/s.	18	3 - 24	18	3 - 24
Sanding pad - solid		•	-	•	-
Sanding pad - pneumatic / segmented	mm	-	• / 16 / 30 / 50	-	• / -



	UNIT F	BULLDOG 7		DUPLEX	
		Standard	Optional	Standard	Optional
Cutterhead diameter	mm	180	-	-	-
Cutterhead motor power	kW	11	15 / 18 / 22	-	-
Input split pressure segments		•	-	-	-
Output split pressure segments		-	•	-	-

- Introduction
- Standard and Optional equipment
- Technical Specifications



**We export to 45 countries
worldwide.
Our machines run also
in overseas states.**



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