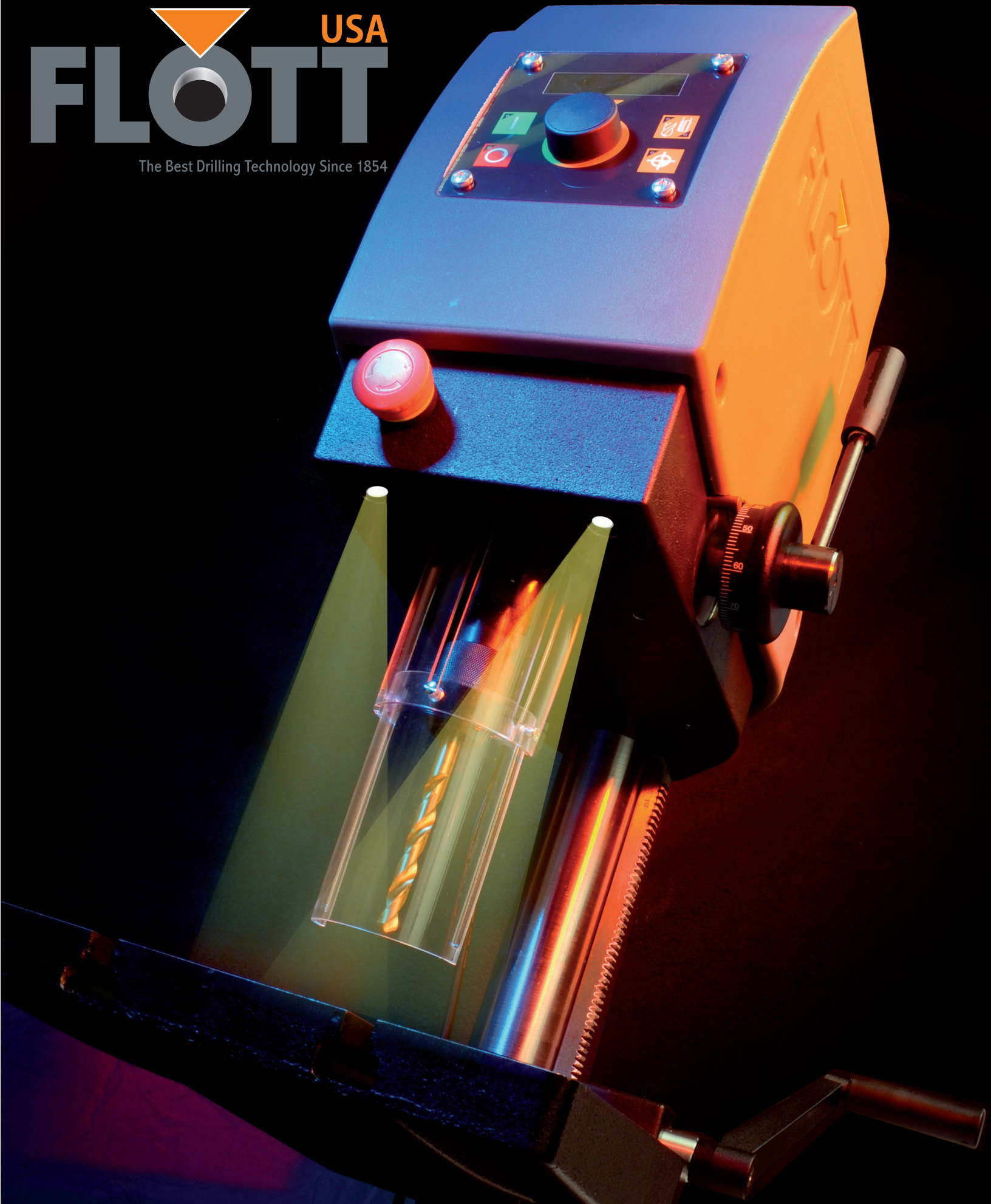


**FLOTT** USA

The Best Drilling Technology Since 1854







The Best Drilling Technology Since 1854



# High Quality Design

*"To make the best, you need the best"*



**History** In 1854, a small family business was founded in Remscheid, Germany which developed and manufactured breast drills and drilling equipment of the finest quality for the German market. With these simple machines, including other drill presses invented over the years, they wrote history in the machine tool industry and have been recognized as the "pioneers" of drilling technology.

Today FLOTT boasts outstanding experience in engineering and product quality and is well established in the international machine markets. With our global partners, FLOTT is not only the oldest, but is also one of the leading manufacturers of advanced and high-quality drilling, grinding and sawing machines in Europe.

## Warranty

Flott warrants every product it sells to be free of manufacturing defects in material or workmanship. Two year warranty on parts except on consumable parts (i.e. belts). This warranty does not cover defects due to direct or indirect misuse, abuse, negligence or accidents, normal wear and tear of consumable parts, improper repair or alterations, lack of maintenance or freight damage. The manufacturer retains the sole right and option, after inspection to determine whether to replace or repair equipment, parts, or components. Warranty period begins on date of delivery to the original user, based on completion of Warranty Card and returned by USPS within the time specified in the warranty card.

## Safety Warning

Flott products are engineered and manufactured with safety in mind. All of the products manufactured by Flott are designed to perform without any undue safety issues when caution, common sense and proper safety practices are followed. The use of these tools is safe when proper application and protection guidelines are observed. Even when these proper precautions are taken, it is possible that fragments of a cutting tool, cutting material, or holding device may be thrown at a very high rate of speed and have potential to cause severe bodily harm. It is imperative that general safety precautions and safety glasses be used at all times.



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**TB 10 STW**  
14" Tabletop Model Drill Press

Capacity:  $1/2$ "

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15" Tabletop & Floor Model Drill Press

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**TB E1**  
15" Tabletop Model Drill Press

Capacity:  $9/16$ "

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**TB 13+ & SB 13+**  
17" Tabletop & Floor Model Drill Press

Capacity:  $1/2$ "

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**TB P23 ST & SB P23 ST**  
18" Tabletop & Floor Model Drill Press

Capacity:  $11/16$ "

12-13



**SB M3 ST MV**  
20" Floor Model Drill Press

Capacity: 1"

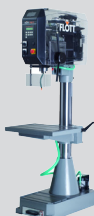
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**SB M5 ST & SB M5 ST MV**  
23" Floor Model Drill Presses

Capacity:  $1\ 3/8$ "

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**SB P40 STG PV**  
23" Floor Model Drill Presses

Capacity:  $1\ 3/8$ "

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**SB P23 ST FB**  
18" Floor Model Formdrill

Capacity:  $5/16$ "

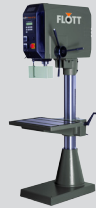
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**SB M3 ST FB**  
20" Floor Model Formdrill

Capacity:  $11/16$ "

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**SB P40 STG PV FB**  
23" Floor Model Formdrill

Capacity:  $3/4$ "

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**BSM 75A**  
3" Belt Grinder

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**BSM 150A**  
6" Belt Grinder

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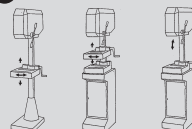
**Technical Specifications**  
Drill Press Comparison Chart

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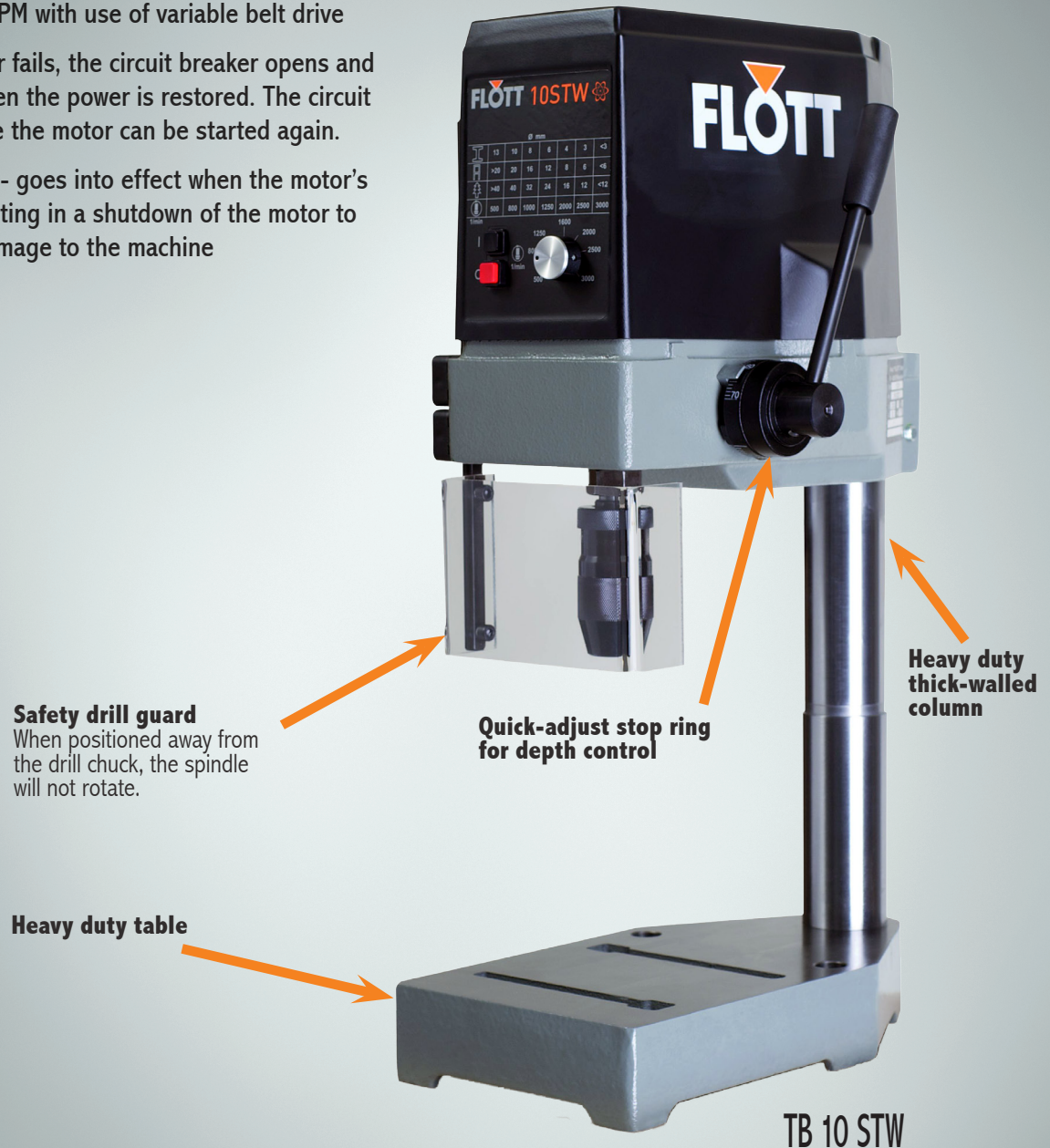
**Technical Information**



# 14" Tabletop Drill Press

Ideal for use in laboratories, job shops and educational facilities

- ▶ 220V Single Phase 0.6 HP motor
- ▶ Speed range of 500-3,000 RPM with use of variable belt drive
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine



## DRILLING CAPACITY

up to 1/2" in steel

\*Drill chuck not included.



# TB 10 STW

EDP	F217010F	
Drill Capacity	<i>Inch Metric</i>	
• Steel	1/2"	12mm
• Non-Ferrous	13/16"	20mm
• Wood & Plastic	1"	25mm
Tapping Capacity	N/A	
Spindle Travel	<i>Inch Metric</i>	
	1.97"	50mm
Swing	14"	
Depth Indication	Manual	
Depth End Stop	Quick-adjust stop ring	
Speed Range	500 - 3,000 RPM	
Speed Indication	Manual	
Feed Type	Manual	
Feed Range	Manual	
Motor Type	220V 60 Hz	
Horse Power	0.6 HP 0.45 kW	
Electric	220V Single Phase	
Spindle Mount	B16	
Table Work Surface Size	<i>Inch</i> 7.09" x 10.24"	<i>Metric</i> 240 x 290mm
Table T-Slot Size	<i>Inch</i> 0.47" x 0.79"	<i>Metric</i> 12 x 20mm
Table Height Adjustment	N/A	
Throat	<i>Inch</i> 7.09"	<i>Metric</i> 180mm
Spindle-to-Table Distance	<i>Inch</i> 4.13" - 10.83"	<i>Metric</i> 105 - 275mm
Machine Column Diameter	<i>Inch</i> 1.97"	<i>Metric</i> 50mm
Machine Size	<i>Inch</i> 8.5" x 14.5" x 22"	<i>Metric</i> 215 x 365 x 560mm
Machine Size with Packaging	<i>Inch</i> 12" x 16" x 24"	<i>Metric</i> 310 x 410 x 600mm
Machine Weight with Packaging	44 lbs. / 20kg	

**ACCESSORIES**  
PAGES 28 & 29



Workstation



Drill Chuck



Drill Drift

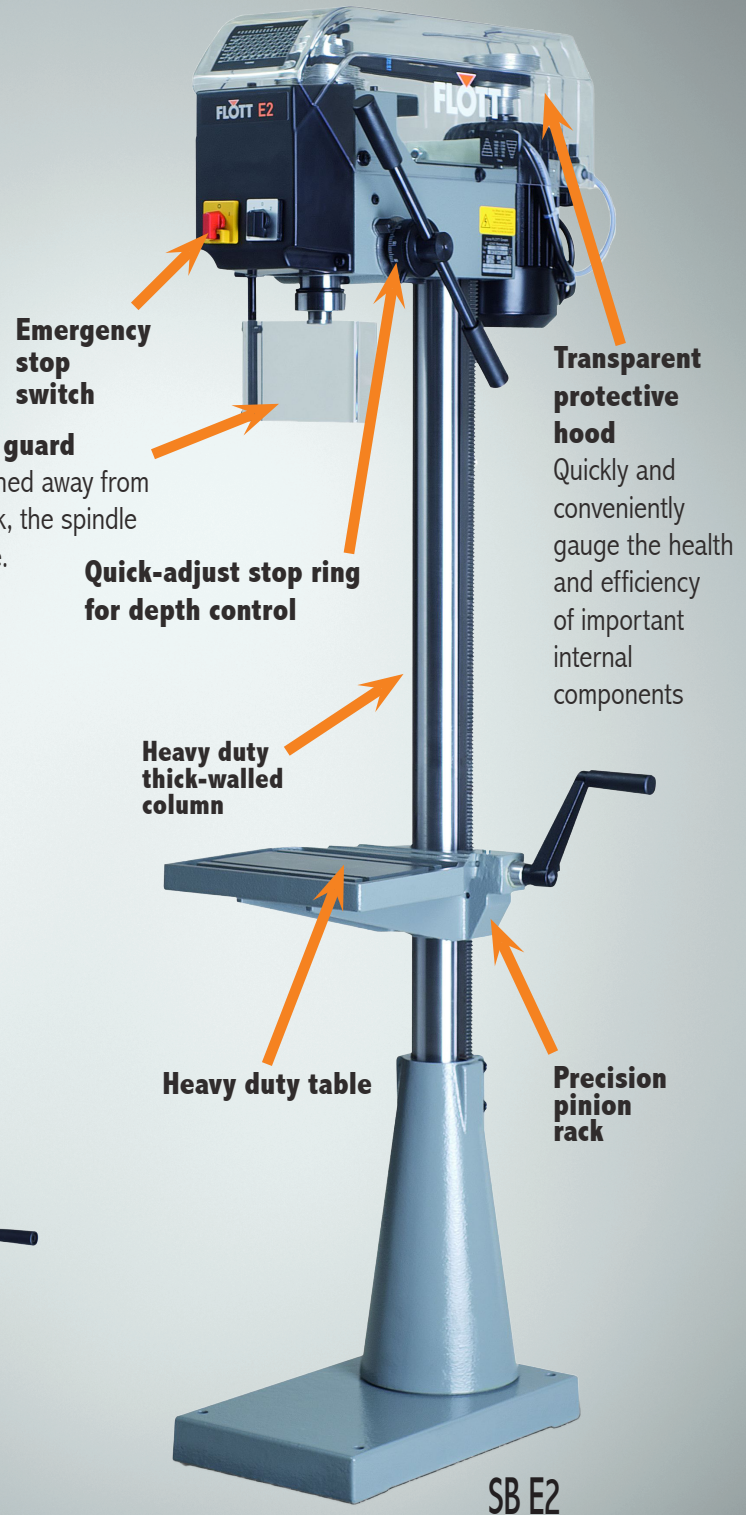
# 15" Tabletop & Floor Model Drill Presses

Ideal for use in laboratories, job shops and educational facilities

- ▶ 460V 3-Phase motor
  - 0.6 Horse Power in low speed setting
  - 1 Horse Power in high speed setting
- ▶ Speed range of 200-3,600 RPM in 10 steps with manual belt change 200-350-400-600-700-1050-1200-1800-2100-3600
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine



TB E2



**DRILLING CAPACITY**

up to 11/16" in steel



# TB E2

# SB E2

EDP	F213545F		F213550F	
Drill Capacity	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
• Steel	11/16"	18mm	11/16"	18mm
• Non-Ferrous	7/8"	23mm	7/8"	23mm
• Wood & Plastic	1"	27mm	1"	27mm
Tapping Capacity	N/A		N/A	
Spindle Travel	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	3.74"	95mm	3.74"	95mm
Swing	15"		15"	
Depth Indication	Manual		Manual	
Depth End Stop	Quick-adjust stop ring		Quick-adjust stop ring	
Speed Range	200 - 3,600 RPM		200 - 3,600 RPM	
Speed Indication	Manual		Manual	
Feed Type	Manual		Manual	
Feed Range	Manual		Manual	
Motor Type	460V 60Hz		460V 60Hz	
Horse Power	<i>Low</i>	<i>High</i>	<i>Low</i>	<i>High</i>
	0.6 HP / 0.45 kW	1 HP / 0.75 kW	0.6 HP / 0.45 kW	1 HP / 0.75 kW
Electric	460V 3-Phase		460V 3-Phase	
Spindle Mount	MT2		MT2	
Table Work Surface Size	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	11.81" x 9.45"	300 x 240mm	11.81" x 9.45"	300 x 240mm
Table T-Slot Size	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	0.51" x 1.02"	13 x 26mm	0.51" x 1.02"	13 x 26mm
Table Height Adjustment	Pinion Rack		Pinion Rack	
Throat	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	7.87"	200mm	7.87"	200mm
Spindle-to-Table Distance	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	13"	0-330mm	3.54" - 29.13"	90 - 740mm
Column Diameter	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	2.76"	70mm	2.76"	70mm
Machine Size	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	11" x 26" x 34"	280 x 600 x 865mm	11" x 24" x 67.5"	280 x 600 x 1710mm
Machine Size with Packaging	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	12" x 28" x 39.5"	300 x 700 x 1000mm	21.5" x 37" x 83"	540 x 940 x 2100mm
Machine Weight with Packaging	185 lbs. / 84 kg		309 lbs. / 140 kg	

## ACCESSORIES PAGES 28 & 29



Workstation



Drill Chuck



Drill Drift

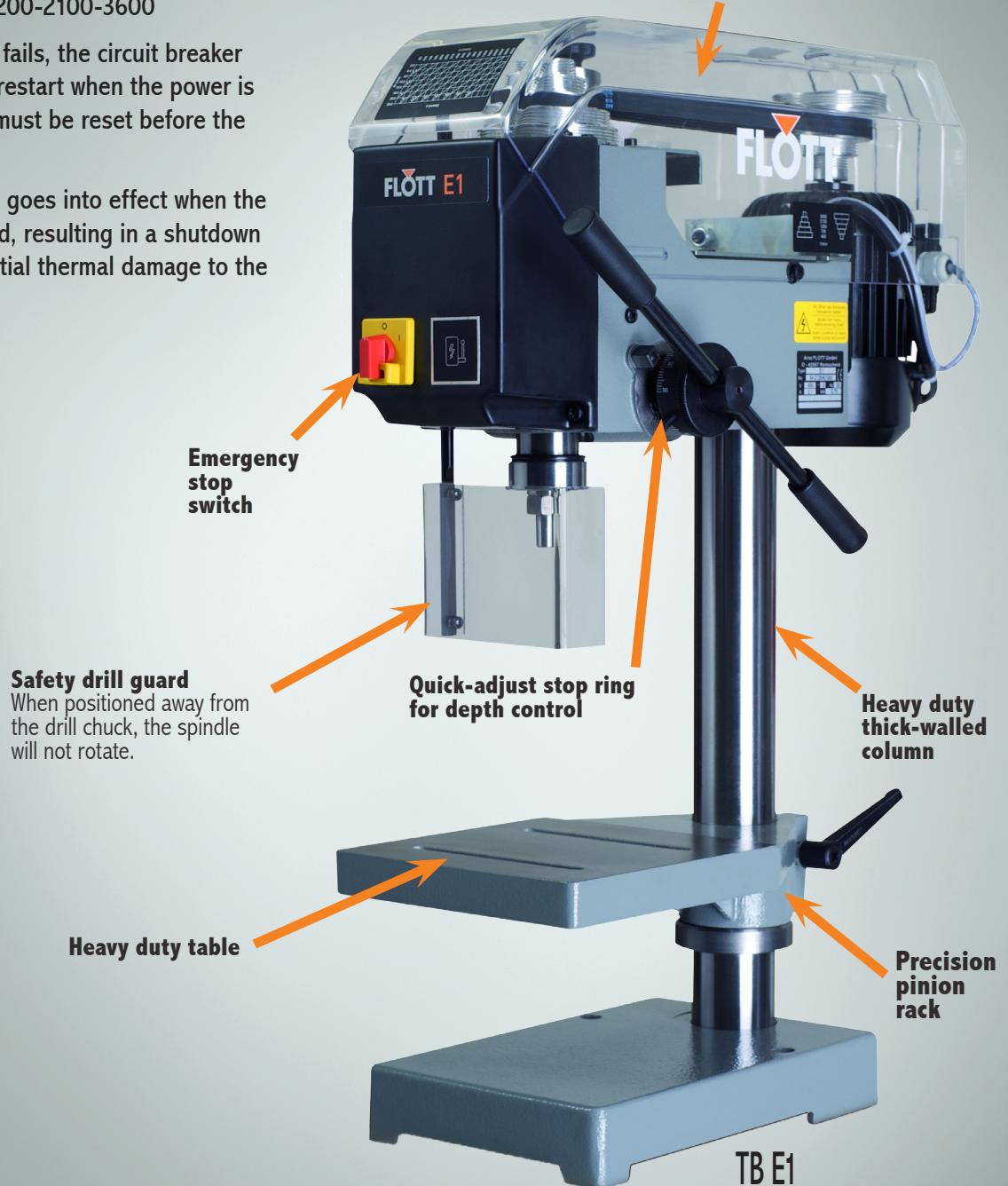
# 15" Tabletop Drill Press

Ideal for use in laboratories, job shops and educational facilities

- ▶ 460V 3-phase 1 HP motor
- ▶ Speed range of 400-3,600 RPM in 5 steps with use of variable belt drive 400-700-1200-2100-3600
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine

## Transparent protective hood

Quickly and conveniently gauge the health and efficiency of important internal components



## DRILLING CAPACITY

up to 9/16" in steel



EDP	F213540F	
Drill Capacity	<i>Inch</i>	<i>Metric</i>
• Steel	9/16"	15mm
• Non-Ferrous	11/16"	18mm
• Wood & Plastic	7/8"	22mm
Tapping Capacity	N/A	
Spindle Travel	<i>Inch</i>	<i>Metric</i>
	3.74"	95mm
Swing	15"	
Depth Indication	Manual	
Depth End Stop	Quick-adjust stop ring	
Speed Range	0 - 3,600 RPM	
Speed Indication	Manual	
Feed Type	Manual	
Feed Range	Manual	
Motor Type	460V 60Hz	
Horse Power	1 HP 0.75 kW	
Electric	460V 3-Phase	
Spindle Mount	B16	
Table Work Surface Size	<i>Inch</i>	<i>Metric</i>
	9.45" x 11.42"	240 x 290mm
Table T-Slot Size	<i>Inch</i>	<i>Metric</i>
	0.51" x 1.02"	13 x 26mm
Table Height Adjustment	Manual	
Throat	<i>Inch</i>	<i>Metric</i>
	7.87"	200mm
Spindle-to-Table Distance	<i>Inch</i>	<i>Metric</i>
	13"	0 - 330mm
Column Diameter	<i>Inch</i>	<i>Metric</i>
	2.76"	70mm
Machine Size	<i>Inch</i>	<i>Metric</i>
	11" x 26" x 34"	280 x 655 x 860mm
Machine Size with Packaging	<i>Inch</i>	<i>Metric</i>
	12" x 28" x 39.5"	300 x 700 x 1000mm
Machine Weight with Packaging	170 lbs. / 77kg	

## ACCESSORIES PAGES 28 & 29



Workstation



Drill Chuck



Drill Drift

# 17" Tabletop & Floor Model Drill Presses

Ideal for use in medium duty work on the shop floor and for production operations

- ▶ 220V Single Phase 0.7 HP motor
- ▶ Speed range of 40-4,000 RPM with use of variable-frequency drive
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine

**OLED (Organic Light Emitting Diode) display for easy reading at almost any angle**



**Actual/target drilling depths on display**

**Drill strokes are digitally counted**

**Modes for either drilling or tapping**

**Emergency stop push-button**

**Safety drill guard**  
When positioned away from the drill chuck, the spindle will not rotate.

**Heavy duty base & table**

**Quick-adjust stop ring for depth control**

**Heavy duty thick-walled column**

**Precision pinion rack**



TB13+

**DRILLING CAPACITY**

up to 1/2" in steel

**TAPPING CAPACITY**

up to 5/16"

\*Drill chuck not included.



# TB 13+

# SB 13+

EDP	F212500F	F212502F
Drill Capacity	<i>Inch Metric</i>	<i>Inch Metric</i>
• Steel	1/2" 13mm	1/2" 13mm
• Non-Ferrous	9/16" 15mm	9/16" 15mm
• Wood & Plastic	3/4" 19mm	3/4" 19mm
Tapping Capacity	5/16" M8	5/16" M8
Spindle Travel	<i>Inch Metric</i>	<i>Inch Metric</i>
	2.36" 60mm	2.36" 60mm
Swing	17"	17"
Depth Indication	Digital Display	Digital Display
Depth End Stop	Quick-adjust Stop Ring	Quick-adjust stop ring
Speed Range	40 - 4,000 RPM	40 - 4,000 RPM
Speed Indication	Digital Display	Digital Display
Feed Type	Manual	Manual
Feed Range	Manual	Manual
Motor Type	220V 60Hz	220V 60Hz
Horse Power	0.7 HP 0.54 kW	0.7 HP 0.54 kW
Electric	220V Single Phase	220V Single Phase
Spindle Mount	B16	B16
Table Work Surface Size	<i>Inch Metric</i>	<i>Inch Metric</i>
	11.81" x 9.84" 300 x 250mm	11.81" x 9.45" 300 x 240mm
Table T-Slot Size	<i>Inch Metric</i>	<i>Inch Metric</i>
	0.51" x 1.02" 13 x 26mm	0.51" x 1.02" 13 x 26mm
Table Height Adjustment	Pinion Rack	Pinion Rack
Throat	<i>Inch Metric</i>	<i>Inch Metric</i>
	8.86" 225mm	8.66" 220mm
Spindle-to-Table Distance	<i>Inch Metric</i>	<i>Inch Metric</i>
	11.81" 300mm	29.53" 750mm
Column Diameter	<i>Inch Metric</i>	<i>Inch Metric</i>
	2.36" 60mm	2.76" 70mm
Machine Size	<i>Inch Metric</i>	<i>Inch Metric</i>
	17.5" x 18" x 34" 440 x 450 x 860mm	16.5" x 19" x 70" 420 x 480 x 1780mm
Machine Size with Packaging	<i>Inch Metric</i>	<i>Inch Metric</i>
	18" x 27.5" x 44.5" 452 x 700 x 1130mm	21.5" x 37" x 83" 540 x 940 x 2100mm
Machine Weight with Packaging	137 lbs. / 62 kg	188 lbs. / 85 kg

## ACCESSORIES PAGES 28 & 29



Workstation



Drill Chuck

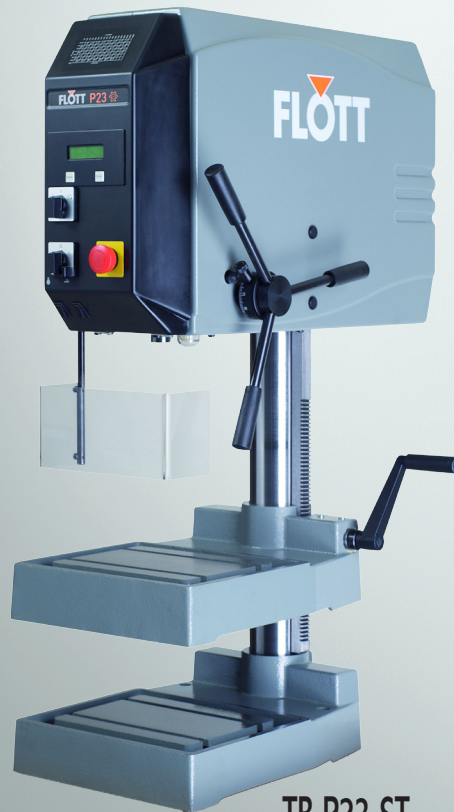


Drill Drift

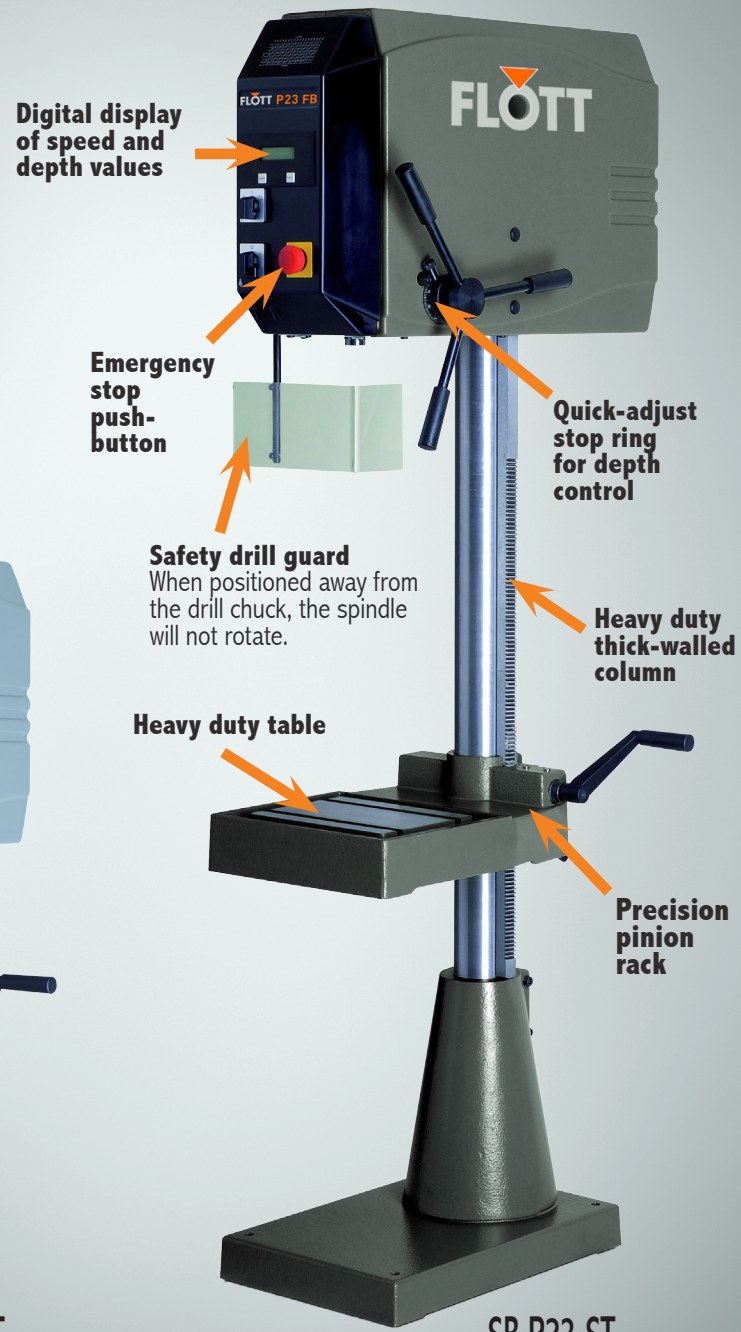
# 18" Tabletop & Floor Model Drill Presses

Ideal for use in medium duty work on the shop floor and for production operations

- ▶ 460V 3-Phase motor
  - 0.6 Horse Power in low speed setting
  - 1 Horse Power in high speed setting
- ▶ Speed range of 250-4,000 RPM with use of variable belt drive
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine
- ▶ Manual reverse switch



TB P23 ST



Digital display of speed and depth values

Emergency stop push-button

Safety drill guard  
When positioned away from the drill chuck, the spindle will not rotate.

Heavy duty table

Quick-adjust stop ring for depth control

Heavy duty thick-walled column

Precision pinion rack

**DRILLING CAPACITY**

up to 11/16" in steel

**TAPPING CAPACITY**

up to 5/8"



# TB P23 ST

# SB P23 ST

EDP	F201051SF		F201050SF	
Maximum Drill Diameter Capacity	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
• Steel	11/16"	18mm	11/16"	18mm
• Non-Ferrous	7/8"	23mm	7/8"	23mm
• Wood & Plastic	1"	27mm	1"	27mm
Tapping Capacity	5/8" M16		5/8" M16	
Spindle Travel	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	3.94"	100mm	3.94"	100mm
Swing	18"		18"	
Depth Indication	Digital Display		Digital Display	
Depth End Stop	Quick-adjust stop ring		Quick-adjust stop ring	
Speed Range	125 - 2,000 RPM		250 - 4,000 RPM	
Speed Indication	Digital Display		Digital Display	
Feed Type	Manual		Manual	
Feed Range	Manual		Manual	
Motor Type	460V 60Hz		460V 60Hz	
Horse Power	<i>Low</i>	<i>High</i>	<i>Low</i>	<i>High</i>
	0.6 HP / 0.45 kW	1 HP / 0.80 kW	0.6 HP / 0.45 kW	1 HP / 0.80 kW
Electric	460V 3-Phase		460V 3-Phase	
Spindle Mount	MT2		MT2	
Table Work Surface Size	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	13.39" x 11.02"	340 x 280mm	13.39" x 11.02"	340 x 280mm
Table T-Slot Size	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	0.51" x 1.02"	13 x 26mm	0.51" x 1.02"	13 x 26mm
Table Height Adjustment	Pinion Rack		Pinion Rack	
Throat	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	9.45"	240mm	9.45"	240mm
Spindle-to-Table Distance	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	3.54"	90-420mm	6.3" - 34.65"	160 - 880mm
Column Diameter	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	3.23"	82mm	3.23"	82mm
Machine Size	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	14" x 29.5" x 36.5"	350 x 745 x 920mm	14" x 29.5" x 73"	350 x 745 x 1850mm
Machine Size with Packaging	<i>Inch</i>	<i>Metric</i>	<i>Inch</i>	<i>Metric</i>
	22" x 37" x 36"	540 x 940 x 1600mm	23" x 37" x 84.5"	572 x 940 x 2140mm
Machine Weight with Packaging	386 lbs. / 175 kg		452 lbs. / 205 kg	

## ACCESSORIES PAGES 28 & 29



Workstation



Drill Chuck

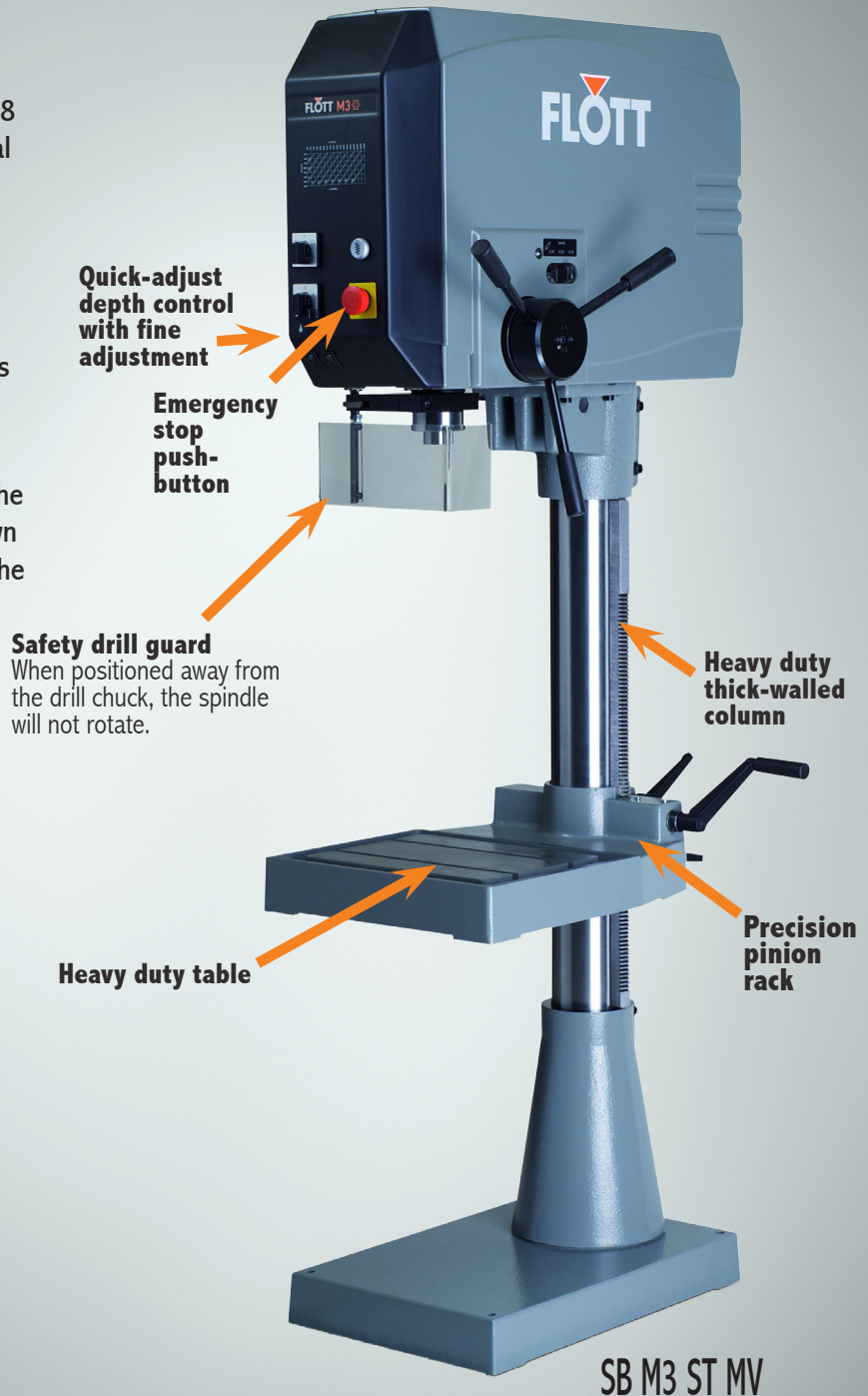


Drill Drift

# 20" Floor Model Drill Press

Ideal for use in medium duty work on the shop floor

- ▶ 460V 3-Phase motor
  - 1.2 Horse Power in low speed setting
  - 2 Horse Power in high speed setting
- ▶ Power spindle feed at rates of 0.004, 0.0063 or 0.0098 inches per revolution through use of power mechanical feed
- ▶ Speed range of 125-4,000 RPM with use of high performance variable-belt drive
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine
- ▶ Manual reverse switch



**DRILLING CAPACITY**

up to 1" in steel

**TAPPING CAPACITY**

up to 13/16"



# SB M3 ST MV

EDP	F205215SF	
Drill Capacity	<i>Inch Metric</i>	
• Steel	1" 25mm	
• Non-Ferrous	1 3/16" 30mm	
• Wood & Plastic	1 1/2" 38mm	
Tapping Capacity	13/16" M20	
Spindle Travel	<i>Inch</i>	<i>Metric</i>
	4.92"	125mm
Swing	20"	
Depth Indication	Manual	
Depth End Stop	Quick-adjust depth control	
Speed Range	125 - 4,000 RPM	
Speed Indication	Manual	
Feed Type	Power Feed	
Feed Range	0.004 / 0.0063 / 0.0098 IPR	
Motor Type	460V 60Hz	
Horse Power	<i>Low</i>	<i>High</i>
	1.2 HP / 0.90 kW	2 HP / 1.45 kW
Electric	460V 3-Phase	
Spindle Mount	MT3	
Table Work Surface Size	<i>Inch</i>	<i>Metric</i>
	16.54" x 13.39"	420 x 340mm
Table T-Slot Size	<i>Inch</i>	<i>Metric</i>
	0.51" x 1.02"	13 x 26mm
Table Height Adjustment	Pinion Rack	
Throat	<i>Inch</i>	<i>Metric</i>
	10.24"	260mm
Spindle-to-Table Distance	<i>Inch</i>	<i>Metric</i>
	9.45" - 31.1"	240 - 790mm
Column Diameter	<i>Inch</i>	<i>Metric</i>
	4.33"	110mm
Machine Size	<i>Inch</i>	<i>Metric</i>
	17" x 33" x 75"	420 x 830 x 1900mm
Machine Size with Packaging	<i>Inch</i>	<i>Metric</i>
	23" x 37" x 84.5"	572 x 940 x 2140mm
Machine Weight with Packaging	662 lbs. / 300kg	

## ACCESSORIES PAGES 28 & 29



Workstation



Drill Chuck

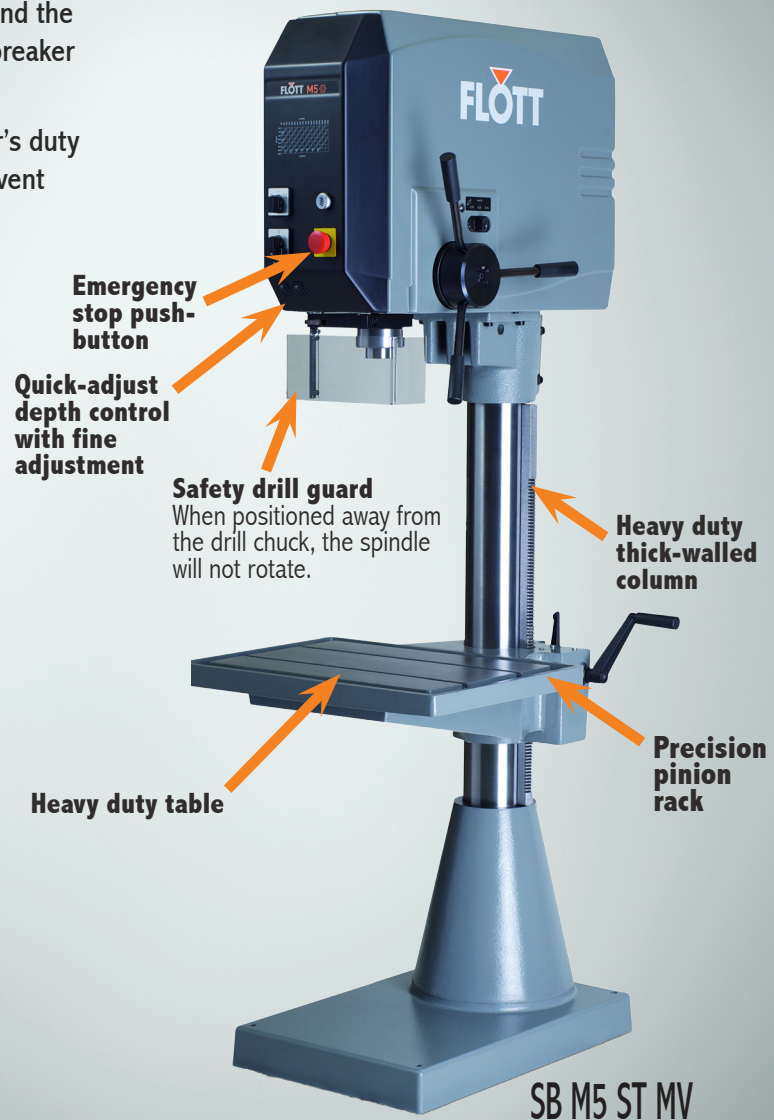


Drill Drift

# 23" Floor Model Drill Presses

Ideal for use in medium and heavy duty work on the shop floor

- ▶ 460V 3-phase motor
  - 2 Horse Power in low speed setting
  - 4 Horse Power in high speed setting
- ▶ Power spindle feed at rates of 0.004, 0.0063 or 0.0098 inches per revolution through use of power mechanical feed
- ▶ Speed range of 100-2,000 RPM with use of high performance variable belt drive
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent



**DRILLING CAPACITY**

up to 1-3/8" in steel

**TAPPING CAPACITY**

up to 1-1/4"



# SB M5 ST

# SB M5 ST MV

EDP	F205204SF		F205207SF	
Drill Capacity	<i>Inch Metric</i>		<i>Inch Metric</i>	
• Steel	1 3/8"	35mm	1 3/8"	35mm
• Non-Ferrous	1 9/16"	40mm	1 9/16"	40mm
• Wood & Plastic	2" 50mm		2" 50mm	
Tapping Capacity	1 1/4" M30		1 1/4" M30	
Spindle Travel	<i>Inch Metric</i>		<i>Inch Metric</i>	
	6.30"	160mm	6.30"	160mm
Swing	23"		23"	
Depth Indication	Manual		Manual	
Depth End Stop	Quick-adjust depth control		Quick-adjust depth control	
Speed Range	100 - 2,000 RPM		100 - 2,000 RPM	
Speed Indication	Manual		Manual	
Feed Type	Manual		Power Feed	
Feed Range	Manual		0.004/0.0063/0.0098 IPR	
Motor Type	460V 60Hz		460V 60Hz	
Horse Power	<i>Low</i>	<i>High</i>	<i>Low</i>	<i>High</i>
	2 HP / 1.50 kW	4 HP / 3.00 kW	2 HP / 1.50 kW	4 HP / 3.00 kW
Electric	460V 3-Phase		460V 3-Phase	
Spindle Mount	MT4		MT4	
Table Work Surface Size	<i>Inch Metric</i>		<i>Inch Metric</i>	
	23.23" x 17.72"	590 x 450mm	23.23" x 17.72"	590 x 450mm
Table T-Slot Size	<i>Inch Metric</i>		<i>Inch Metric</i>	
	0.55" x 1.02"	14 x 26mm	0.55" x 1.02"	14 x 26mm
Table Height Adjustment	Pinion Rack		Pinion Rack	
Throat	<i>Inch Metric</i>		<i>Inch Metric</i>	
	11.81"	300mm	11.81"	300mm
Spindle-to-Table Distance	<i>Inch Metric</i>		<i>Inch Metric</i>	
	5.91" - 27.56"	150-700mm	5.91" - 27.56"	150-700mm
Column Diameter	<i>Inch Metric</i>		<i>Inch Metric</i>	
	4.92"	125mm	4.92"	125mm
Machine Size	<i>Inch Metric</i>		<i>Inch Metric</i>	
	23.5" x 33" x 83"	590 x 830 x 2100mm	23.5" x 33" x 83"	590 x 830 x 2100mm
Machine Size with Packaging	<i>Inch Metric</i>		<i>Inch Metric</i>	
	26.5" x 43.5" x 84.5"	670 x 1100 x 2140mm	26.5" x 43.5" x 84.5"	670 x 1100 x 2140mm
Machine Weight with Packaging	926 lbs. / 420 kg		981 lbs. / 445 kg	

## ACCESSORIES PAGES 28 & 29



Workstation



Drill Chuck

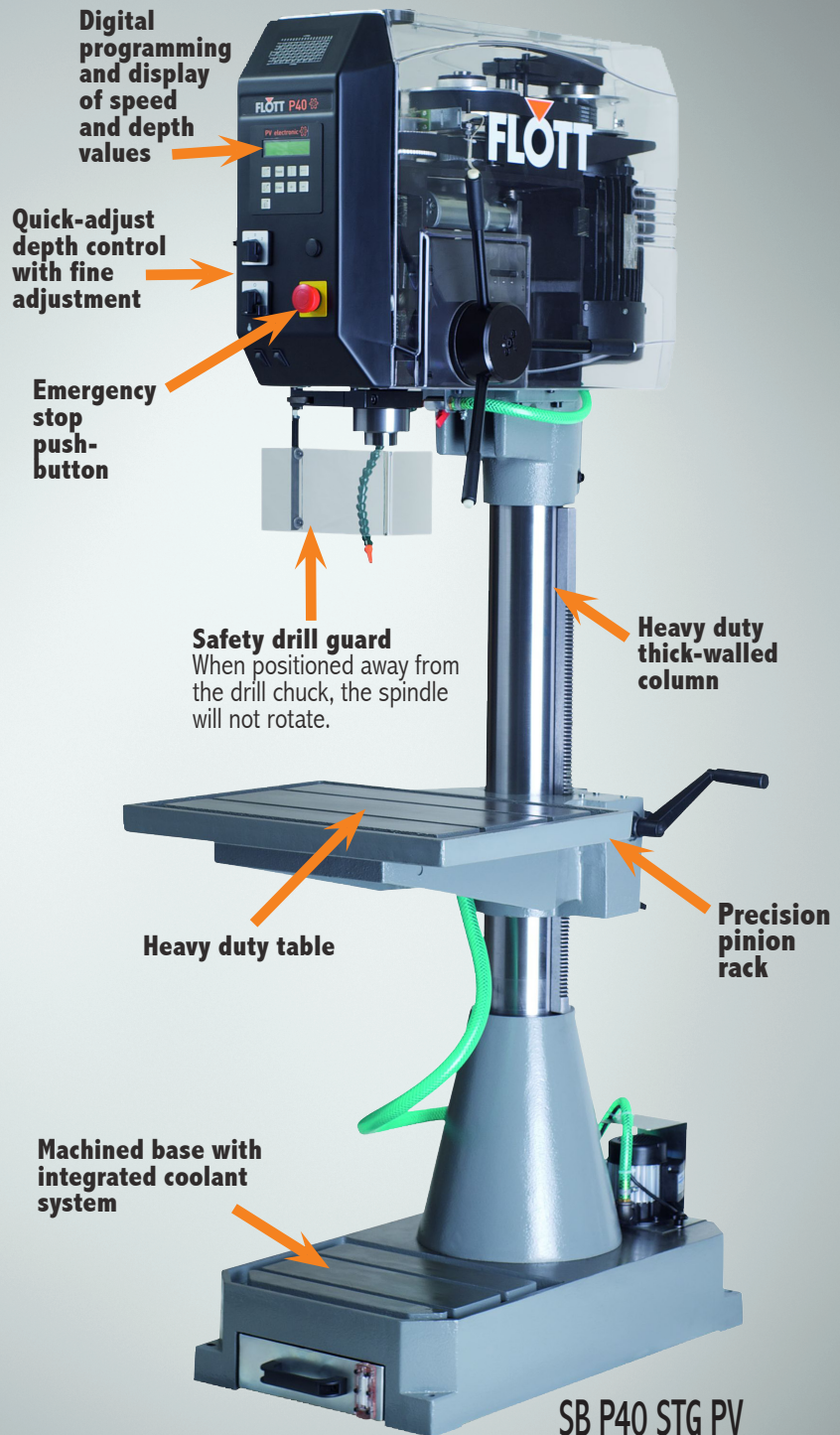


Drill Drift

# 23" Floor Model Drill Press

Ideal for use in medium and heavy duty work on the shop floor and in production operations

- ▶ 460V 3-phase motor
  - 2 Horse Power in low speed setting
  - 4 Horse Power in high speed setting
- ▶ Infinitely variable power spindle feed - digitally programmed from 0-11.8 inches per minute with push-button for activation located on manual feed handle
- ▶ Speed range of 70-1,400 RPM with use of high performance variable belt drive
- ▶ Digitally programmable depth cut-off function
- ▶ Continuous lubrication of feed gear
- ▶ LED light on flexible arm
- ▶ Manual reverse switch
- ▶ Loaded with multi-feed software for the capability to program four power spindle feed speeds
- ▶ Loaded with chip cutter software to prevent long chips
- ▶ Loaded with safety software to automatically stop the spindle in the upper position
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine



**DRILLING CAPACITY**

up to 1-3/8" in steel

**TAPPING CAPACITY**

up to 1-1/4"



# SB P40 STG PV

EDP	F205227SF	
Drill Capacity	<i>Inch Metric</i>	
• Steel	1 3/8"	35mm
• Non-Ferrous	1 9/16"	40mm
• Wood & Plastic	2"	50mm
Tapping Capacity	1 1/4" M30	
Spindle Travel	<i>Inch Metric</i>	
	6.30"	160mm
Swing	23"	
Depth Indication	Digital Display	
Depth End Stop	Quick-adjust depth control	
Speed Range	70 - 1,400 RPM	
Speed Indication	Digital Display	
Feed Type	Power Feed	
Feed Range	0 - 11.8 IPM	
Motor Type	460V 60Hz	
Horse Power	<i>Low</i>	<i>High</i>
	2 HP / 1.50 kW	4 HP / 3.00 kW
Electric	460V 3-Phase	
Spindle Mount	MT4	
Table Work Surface Size	<i>Inch Metric</i>	
	23.23" x 17.72"	590 x 450mm
Table T-Slot Size	<i>Inch Metric</i>	
	0.55" x 1.02"	14 x 26mm
Table Height Adjustment	Pinion Rack	
Throat	<i>Inch Metric</i>	
	11.81"	300mm
Spindle-to-Table Distance	<i>Inch Metric</i>	
	5.91" - 27.56"	150 - 700mm
Column Diameter	<i>Inch Metric</i>	
	4.92"	125mm
Machine Size	<i>Inch Metric</i>	
	23.5" x 33" x 83"	590 x 830 x 2100mm
Machine Size with Packaging	<i>Inch Metric</i>	
	26.5" x 43.5" x 84.5"	670 x 1100 x 2140mm
Machine Weight with Packaging	970 lbs. / 440kg	

**ACCESSORIES**  
PAGES 28 & 29



Workstation



Drill Chuck

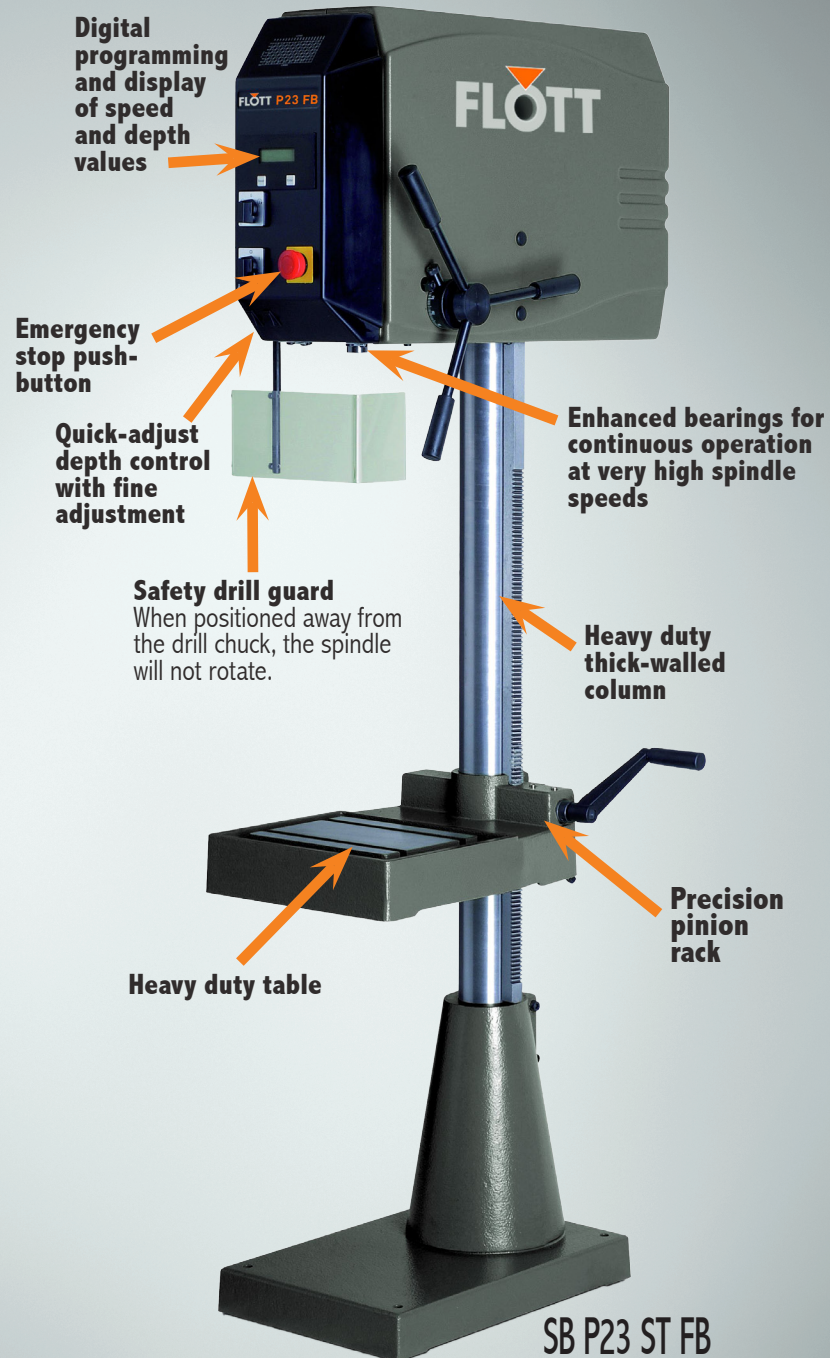


Drill Drift

# 18" Floor Model Formdrill

Perfect for creating small-medium diameter holes in thin-walled metallic materials

- ▶ 460V 3-phase 2 HP motor
- ▶ Superior thread quality - Due to the nature of flowforming, a wall is created on the underside of the material being drilled which may then be threaded with ease.
- ▶ High-strength fastening - Because form drilling removes no chips, a hole is instead produced by displacing the material to create a strong reinforced wall suitable for fasteners.
- ▶ Save money - For form drilling to be possible, the material must become very hot. Save money by removing coolants from the equation.
- ▶ Speed range of 500-4,000 RPM with use of high performance variable belt drive
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine
- ▶ Manual reverse switch



**FLOW FORMING CAPACITY**

up to 5/16" in 1/8" steel



# SB P23 ST FB

EDP	F201054F	
Formdrill Capacity	<i>Inch</i>	<i>Metric</i>
• Steel (1/8" thick material)	5/16"	8mm
Tapping Capacity	5/16"	8mm
Spindle Travel	<i>Inch</i>	<i>Metric</i>
	3.94"	100mm
Swing	18"	
Depth Indication	Digital Display	
Depth End Stop	Quick-adjust stop ring	
Speed Range	500 - 4,000 RPM	
Speed Indication	Digital Display	
Feed Type	Manual	
Feed Range	Manual	
Motor Type	460V 60Hz	
Horse Power	2 HP 1.5 kW	
Electric	460V 3-Phase	
Spindle Mount	MT2	
Table Work Surface Size	<i>Inch</i>	<i>Metric</i>
	13.39" x 11.02"	340 x 280mm
Table T-Slot Size	<i>Inch</i>	<i>Metric</i>
	0.51" x 1.02"	13 x 26mm
Table Height Adjustment	Pinion Rack	
Throat	<i>Inch</i>	<i>Metric</i>
	9.45"	240mm
Spindle-to-Table Distance	<i>Inch</i>	<i>Metric</i>
	6.3" - 34.65"	160 - 880mm
Column Diameter	<i>Inch</i>	<i>Metric</i>
	3.23"	82mm
Machine Size	<i>Inch</i>	<i>Metric</i>
	14" x 29.5" x 73"	350 x 745 x 1850mm
Machine Size with Packaging	<i>Inch</i>	<i>Metric</i>
	23" x 37" x 84.5"	572 x 940 x 2140mm
Machine Weight with Packaging	452 lbs. / 205 kg	

**ACCESSORIES**  
PAGES 28 & 29



Drill Sleeve



ER Collets



Formtap



Drill Drift



Lubricant



Heat Dissipating Holder

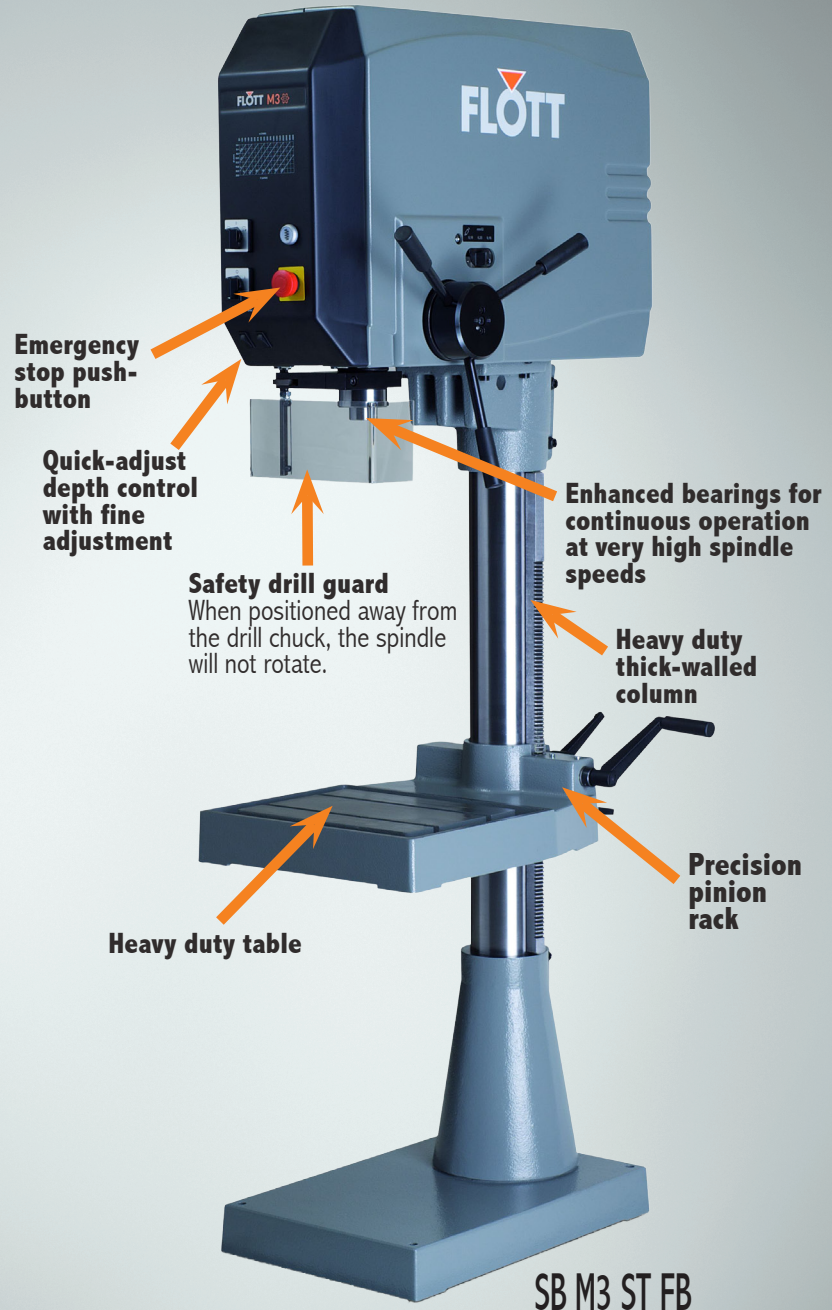


Formdrill

# 20" Floor Model Formdrill

Perfect for creating small-medium diameter holes in thin-walled metallic materials

- ▶ 460V 3-phase 4 HP motor
- ▶ Power spindle feed at rates of 0.004, 0.0063 or 0.0098 inches per revolution through use of power mechanical feed
- ▶ Superior thread quality - Due to the nature of flowforming, a wall is created on the underside of the material being drilled which may then be threaded with ease.
- ▶ High-strength fastening - Because form drilling removes no chips, a hole is instead produced by displacing the material to create a strong reinforced wall suitable for fasteners.
- ▶ Speed range of 500-4,000 RPM with use of high performance variable belt drive
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine
- ▶ Manual reverse switch



## FLOW FORMING CAPACITY

up to 11/16" in 1/8" thick steel



# SB M3 ST FB

EDP	F205188F	
Formdrill Capacity	<i>Inch</i>	<i>Metric</i>
• Steel (1/8" thick material)	11/16"	18mm
Tapping Capacity	3/4"	20mm
Spindle Travel	<i>Inch</i>	<i>Metric</i>
	4.92"	125mm
Swing	20"	
Depth Indication	Manual	
Depth End Stop	Quick-adjust depth control	
Speed Range	500 - 4,000 RPM	
Speed Indication	Manual	
Feed Type	Manual	
Feed Range	Manual	
Motor Type	460V 60Hz	
Horse Power	4 HP 3 kW	
Electric	460V 3-Phase	
Spindle Mount	MT3	
Table Work Surface Size	<i>Inch</i>	<i>Metric</i>
	9.45" x 13.4"	240 x 340mm
Table T-Slot Size	<i>Inch</i>	<i>Metric</i>
	0.51" x 1.02"	13 x 26mm
Table Height Adjustment	Pinion Rack	
Throat	<i>Inch</i>	<i>Metric</i>
	10.24"	260mm
Spindle-to-Table Distance	<i>Inch</i>	<i>Metric</i>
	9.45" - 31.1"	240 - 790mm
Column Diameter	<i>Inch</i>	<i>Metric</i>
	4.33"	110mm
Machine Size	<i>Inch</i>	<i>Metric</i>
	17" x 33" x 75"	420 x 830 x 1900mm
Machine Size with Packaging	<i>Inch</i>	<i>Metric</i>
	23" x 37" x 84.5"	572 x 940 x 2140mm
Machine Weight with Packaging	607 lbs. / 275 kg	

**ACCESSORIES**  
PAGES 28 & 29



Drill Sleeve



ER Collets



Formtap



Drill Drift



Lubricant



Heat Dissipating Holder

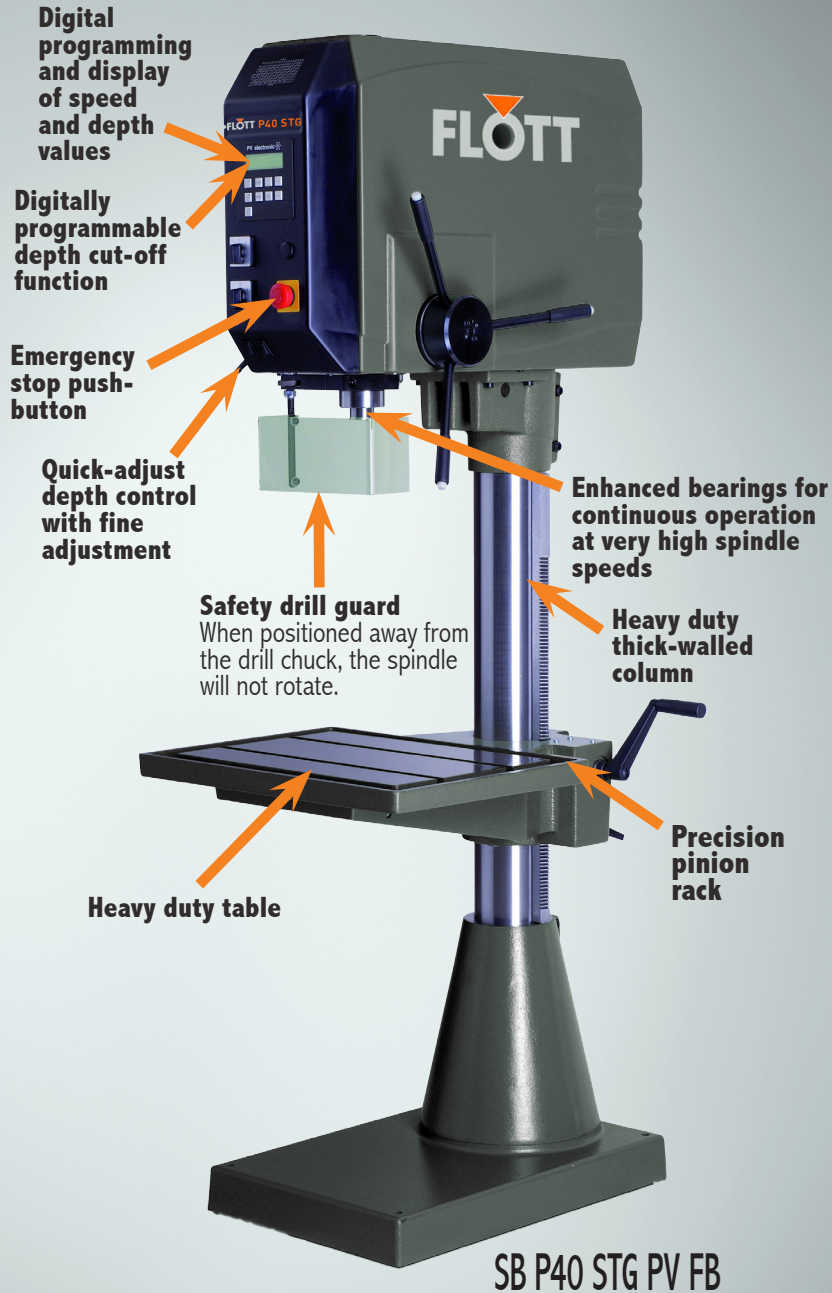


Formdrill

# 23" Floor Model Formdrill

Perfect for creating medium-large diameter holes in thin-walled metallic materials

- ▶ 460V 3-phase motor
  - 2 Horse Power in low speed setting
  - 4 Horse Power in high speed setting
- ▶ Superior thread quality - Due to the nature of flowforming, a wall is created on the underside of the material being drilled which may then be threaded with ease.
- ▶ High-strength fastening - Because form drilling removes no chips, a hole is instead produced by displacing the material to create a strong reinforced wall suitable for fasteners.
- ▶ Infinitely variable power spindle feed - digitally programmed from 0 - 11.8 IPM with push-button for activation located on manual feed handle
- ▶ Speed range of 250-4,000 RPM with use of high performance variable belt drive
- ▶ Loaded with multi-feed software for the capability to program four power spindle feed speeds
- ▶ Loaded with chip cutter software to prevent long chips
- ▶ Loaded with safety software to automatically stop the spindle in the upper position
- ▶ Continuous lubrication of feed gear
- ▶ No-volt release - If the power fails, the circuit breaker opens and the motor will not restart when the power is restored. The circuit breaker must be reset before the motor can be started again.
- ▶ Thermal overload protection - goes into effect when the motor's duty cycle is exceeded, resulting in a shutdown of the motor to prevent potential thermal damage to the machine
- ▶ Manual reverse switch



**FLOW FORMING CAPACITY**

up to 3/4" in 1/8" thick steel



# SB P40 STG PV FB

EDP	F205218F	
Formdrill Capacity	<i>Inch</i>	<i>Metric</i>
• Steel (1/8" thick material)	3/4"	20mm
Tapping Capacity	3/4"	20mm
Spindle Travel	<i>Inch</i>	<i>Metric</i>
	6.30"	160mm
Swing	23"	
Depth Indication	Digital Display	
Depth End Stop	Quick-adjust depth control	
Speed Range	250 - 4,000 RPM	
Speed Indication	Digital Display	
Feed Type	Mechanical	
Feed Range	Manual	
Motor Type	460V 60Hz	
Horse Power	<i>Low</i>	<i>High</i>
	2 HP / 1.5 kW	4 HP / 3 kW
Electric	460V 3-Phase	
Spindle Mount	MT4	
Table Work Surface Size	<i>Inch</i>	<i>Metric</i>
	23.23" x 17.72"	590 x 450mm
Table T-Slot Size	<i>Inch</i>	<i>Metric</i>
	0.55" x 1.02"	14 x 26mm
Table Height Adjustment	Pinion Rack	
Throat	<i>Inch</i>	<i>Metric</i>
	11.81"	300mm
Spindle-to-Table Distance	<i>Inch</i>	<i>Metric</i>
	5.91" - 27.56"	150 - 700mm
Column Diameter	<i>Inch</i>	<i>Metric</i>
	4.92"	125mm
Machine Size	<i>Inch</i>	<i>Metric</i>
	23.5" x 33" x 83"	590 x 830 x 2100mm
Machine Size with Packaging	<i>Inch</i>	<i>Metric</i>
	26.5" x 43.5" x 84.5"	670 x 1100 x 2140mm
Machine Weight with Packaging	981 lbs. / 445 kg	

**ACCESSORIES**  
PAGES 28 & 29



Drill Sleeve



ER Collets



Formtap



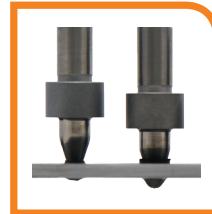
Drill Drift



Lubricant



Heat Dissipating  
Holder



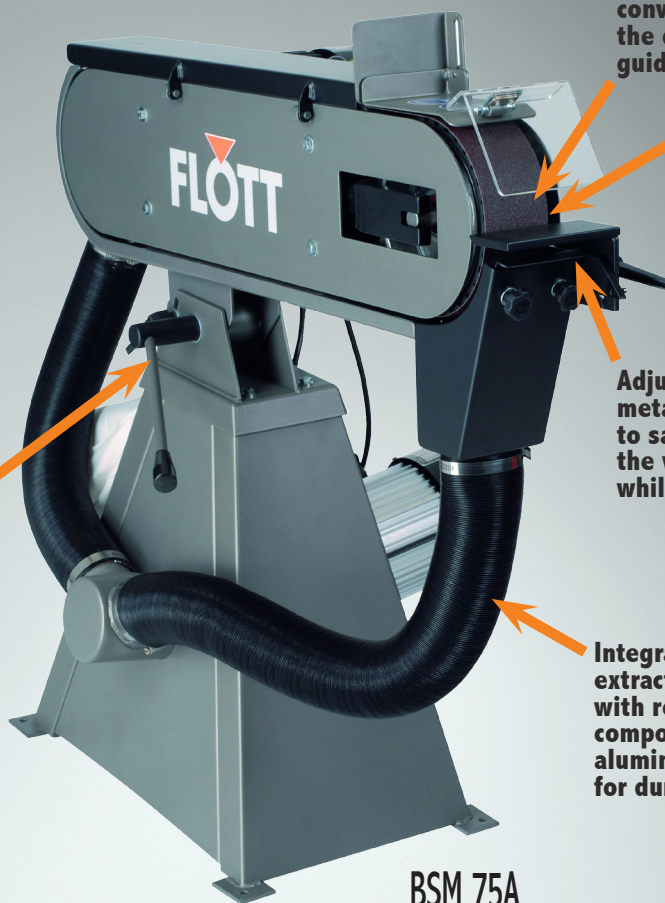
Formdrill

# 3" Belt Grinder

Robust, heavy duty belt grinder constructed for long-lasting operation on the shop floor; available in single or 2-speed models

- ▶ Up to 5 HP of grinding power
- ▶ Belt travels at speeds of 2,950 FPM or 5,900 FPM
- ▶ Complete exhaust system built-in
- ▶ High quality and robust machine construction
- ▶ Tool-free abrasive belt changing for ease-of-use
- ▶ Comes with 60 grit sanding belt and dust bag

Continuously variable height adjustment



Consistent belt centering is achieved as a result of the convex shape of the drive and guide rollers

Vulcanized drive and contact rollers for exceptionally smooth and quiet operation

Adjustable metal tool rest to safely control the workpiece while grinding

Integrated dust extraction system with reinforced composite aluminum hoses for durability

BSM 75A

## BSM 75A

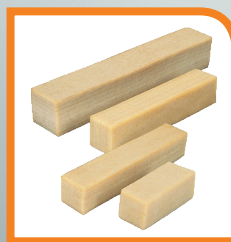
## BSM 75A/pol.

EDP	F370540SF	F370530SF	
Belt Speed	5,900 FPM	2,950/5,900 FPM	
Sanding Belt Width	3"	3"	
Sanding Belt Length	79"	79"	
Grinding Surface Area	20"	20"	
Horse Power	5.0 HP	Low 3.0 HP	High 5.0 HP
Motor Type	460V 3-Phase	460V 3-Phase	
Machine Size	37.5" x 17" x 41.5"	37.5" x 17" x 41.5"	
Machine Size with Packaging	39.5" x 24" x 43.5"	39.5" x 24" x 43.5"	
Machine Weight with Packaging	232 lbs.	232 lbs.	

ACCESSORIES  
PAGE 30



Abrasive Belt



Belt Cleaner

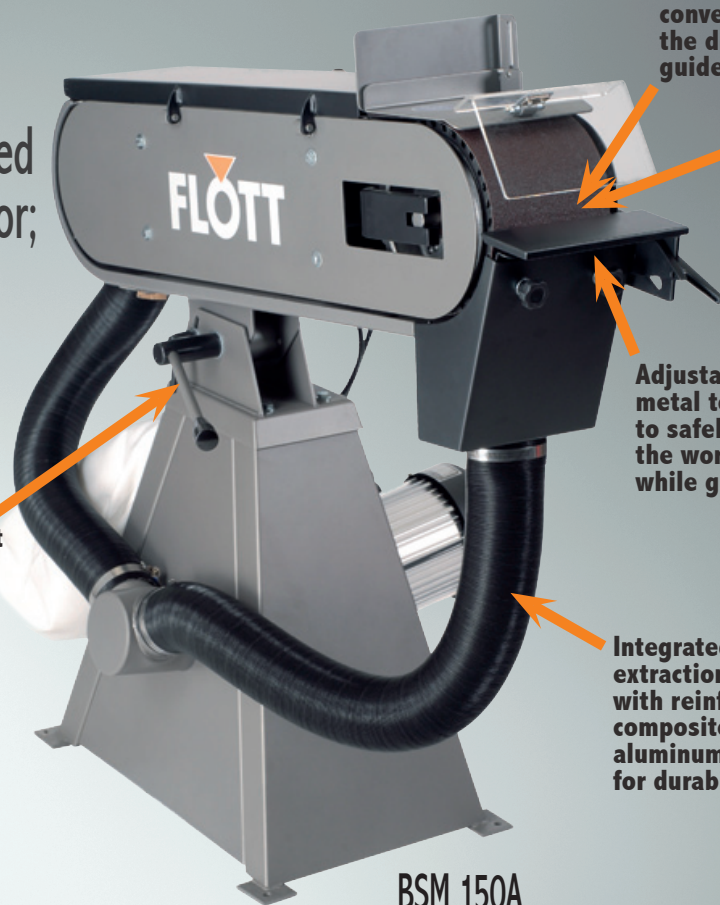


# 6" Belt Grinder

Robust, heavy duty belt grinder constructed for long-lasting operation on the shop floor; available in single or 2-speed models

- ▶ Up to 5 HP of grinding power
- ▶ Belt travels at speeds of 2,950 FPM or 5,900 FPM
- ▶ Complete exhaust system built-in
- ▶ High quality and robust machine construction
- ▶ Tool-free abrasive belt changing for ease-of-use
- ▶ Comes with 60 grit sanding belt and dust bag

Continuously variable height adjustment



Consistent belt centering is achieved as a result of the convex shape of the drive and guide rollers

Vulcanized drive and contact rollers for exceptionally smooth and quiet operation

Adjustable metal tool rest to safely control the workpiece while grinding

Integrated dust extraction system with reinforced composite aluminum hoses for durability

BSM 150A

## BSM 150A

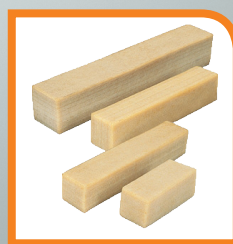
## BSM 150A/pol.

EDP	F370541SF	F370531SF	
Belt Speed	5,900 FPM	2,950/5,900 FPM	
Sanding Belt Width	6"	6"	
Sanding Belt Length	79"	79"	
Grinding Surface Area	20"	20"	
Horse Power	5.0 HP	Low 3.0 HP	High 5.0 HP
Motor Type	460V 3-Phase	460V 3-Phase	
Machine Size	37.5" x 17" x 41.5"	37.5" x 17" x 41.5"	
Machine Size with Packaging	39.5" x 24" x 43.5"	39.5" x 24" x 43.5"	
Machine Weight with Packaging	265 lbs.	265 lbs.	

ACCESSORIES  
PAGE 30



Abrasive Belt



Belt Cleaner

# Drill Press Comparison Chart

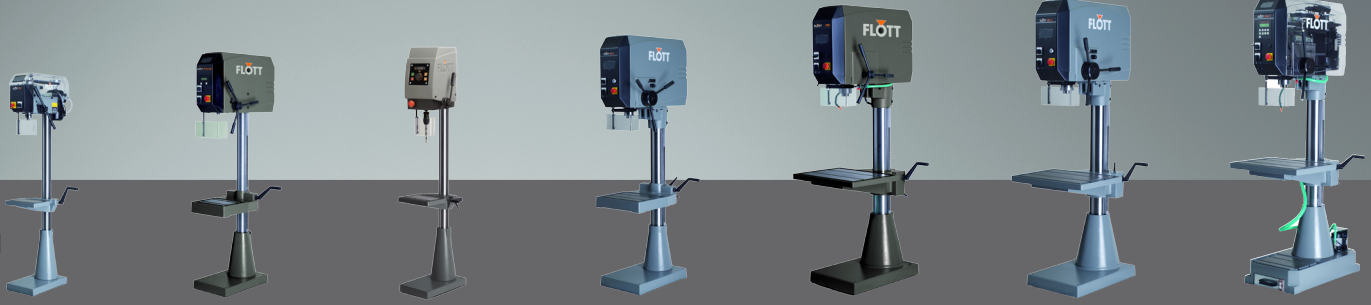
## Tabletop



Model	TB 10 STW	TB E1	TB E2	TB P23 ST	TB 13+
EDP	F217010F	F213540F	F213545F	F201051SF	F212500F
Machine Type	Tabletop	Tabletop	Tabletop	Tabletop	Tabletop
Catalog Page Number	2 & 3	6 & 7	4 & 5	10 & 11	8 & 9
Drill Capacity					
• Steel	1/2"	9/16"	11/16"	11/16"	1/2"
• Non-Ferrous	13/16"	11/16"	7/8"	7/8"	9/16"
• Wood & Plastic	1"	7/8"	1"	1"	3/4"
Tapping Capacity	N/A	N/A	N/A	M16	M8
Spindle Travel	1.97"	3.74"	3.74"	3.94"	2.36"
Swing	14"	15"	15"	18"	17"
Depth Indication	Manual	Manual	Manual	Digital Display	Digital Display
Depth End Stop	Quickly-adjust stop ring	Quick-adjust stop ring	Quick-adjust stop ring	Quick-adjust stop ring	Quick-adjust stop ring
Speed Range	500 - 3,000 RPM	0 - 3,600 RPM	200 - 3,600 RPM	250 - 4,000 RPM	40 - 4,000 RPM
Speed Indication	Manual	Manual	Manual	Digital Display	Digital Display
Feed Type	Manual	Manual	Manual	Manual	Manual
Feed Range	Manual	Manual	Manual	Manual	Manual
Motor Type	220V	460V	460V	400V	220V
Horse Power	0.6 HP	1 HP	0.6/1 HP 2-speed	0.6/1.07 HP 2-speed	0.7 HP
Electric	220V Single Phase	460V 3-Phase	460V 3-Phase	460V 3-Phase	220V Single Phase
Spindle Mount	B16	B16	MT2	MT2	B16
Table Work Surface Size	7.09" x 10.24"	9.45" x 11.42"	11.81" x 9.45"	13.39" x 11.02"	11.81" x 9.84"
Table T-Slot Size	0.47" x 0.79"	0.51" x 1.02"	0.51" x 1.02"	0.51" x 1.02"	0.51" x 1.02"
Table Height Adjustment	N/A	Manual	Pinion Rack	Pinion Rack	Pinion Rack
Throat	7.09"	7.87"	7.87"	9.45"	8.86"
Spindle-to-Table Distance	4.13" - 10.83"	13"	13"	3.54"	11.81"
Machine Column Diameter	1.97"	2.76"	2.76"	3.23"	2.36"
Machine Size	8.5" x 14.5" x 22"	11" x 26" x 34"	11" x 26" x 34"	14" x 29.5" x 36.5"	17.5" x 18" x 34"
Machine Size with Packaging	12" x 16" x 24"	12" x 28" x 39.5"	12" x 28" x 39.5"	22" x 37" x 36"	18" x 27.5" x 44.5"
Machine Weight with Packaging	44 lbs.	170 lbs.	185 lbs.	386 lbs.	137 lbs.



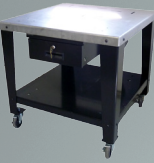
# Floor



SB E2	SB P23 ST	SB 13+	SB M3 ST MV	SB M5 ST	SB M5 ST MV	SB P40 STG PV
F213550F	F201050SF	F212502F	F205215SF	F205204SF	F205207SF	F205227SF
Floor Model	Floor Model	Floor Model	Floor Model	Floor Model	Floor Model	Floor Model
8 & 9	10 & 11	4 & 5	12 & 13	14 & 15	14 & 15	16 & 17
11/16"	11/16"	1/2"	1"	1 3/8"	1 3/8"	1 3/8"
7/8"	7/8"	9/16"	1 3/16"	1 9/16"	1 9/16"	1 9/16"
1"	1"	3/4"	1 1/2"	2"	2"	2"
N/A	M16	M8	M20	M30	M30	M30
3.74"	3.94"	2.36"	4.92"	6.30"	6.30"	6.30"
15"	18"	17"	20"	23"	23"	23"
Manual	Digital Display	Digital Display	Manual	Manual	Manual	Digital Display
Quick-adjust stop ring	Quick-adjust stop ring	Quick-adjust stop ring	Quick-adjust depth control	Quick-adjust depth control	Quick-adjust depth control	Quick-adjust depth control
200 - 3,600 RPM	250 - 4,000 RPM	40 - 4,000 RPM	125 - 4,000 RPM	100 - 2,000 RPM	100 - 2,000 RPM	70 - 1,400 RPM
Manual	Digital Display	Digital Display	Manual	Manual	Manual	Digital Display
Manual	Manual	Manual	Power Feed	Manual	Power Feed	Power Feed
Manual	Manual	Manual	0.004/0.0063/0.0098 IPR	Manual	0.004/0.0063/0.0098 IPR	0-11.8 IPM
460V	460V	220V	460V	460V	460V	460V
0.6/1 HP 2-speed	0.6/1 HP 2-speed	0.7 HP	1.2/2 HP 2-speed	2/4 HP 2-speed	2/4 HP 2-speed	2/4 HP 2-speed
460V 3-Phase	460V 3-Phase	220V Single Phase	460V 3-Phase	460V 3-Phase	460V 3-Phase	460V 3-Phase
MT2	MT2	B16	MT3	MT4	MT4	MT4
11.81" x 9.45"	13.39" x 11.02"	11.81" x 9.45"	16.54" x 13.39"	23.23" x 17.72"	23.23" x 17.72"	23.23" x 17.72"
0.51" x 1.02"	0.51" x 1.02"	0.51" x 1.02"	0.51" x 1.02"	0.55" x 1.02"	0.55" x 1.02"	0.55" x 1.02"
Pinion Rack	Pinion Rack	Pinion Rack	Pinion Rack	Pinion Rack	Pinion Rack	Pinion Rack
7.87"	9.45"	8.66"	10.24"	11.81"	11.81"	11.81"
3.54" x 29.13"	6.3" - 34.65"	29.53"	9.45" - 31.1"	5.91" - 27.56"	5.91" - 27.56"	5.91" - 27.56"
2.76"	3.23"	2.76"	4.33"	4.92"	4.92"	4.92"
11" x 24" x 67.5"	14" x 29.5" x 73"	16.5" x 19" x 70"	17" x 33" x 75"	23.5" x 33" x 83"	23.5" x 33" x 83"	23.5" x 33" x 83"
21.5" x 37" x 83"	23" x 37" x 84.5"	21.5" x 37" x 83"	23" x 37" x 84.5"	26.5" x 43.5" x 84.5"	26.5" x 43.5" x 84.5"	26.5" x 43.5" x 84.5"
309 lbs.	452 lbs.	188 lbs.	662 lbs.	926 lbs.	981 lbs.	970 lbs.

# Accessories

for Standard Drill Presses



Tabletop Models	Workstation	Drill Chuck	Drill Drift	Drill Sleeve	Coolant	Tapping Fluid
TB 10 STW	FA0004F	FL40754F				
TB 13+	FA0004F	FL40754F				
TB E1	FA0004F	FL40754F				
TB E2	FA0004F	FL31413F	FL40418F	FLCR021F		
TB P23 ST	FA0004F	FL31413F	FL40418F	FLCR021F		F7200001F
Floor Models	Workstation	Drill Chuck	Drill Drift	Drill Sleeve	Coolant	Tapping Fluid
SB 13+		FL40754F				
SB E2		FL31413F	FL40418F	FLCR021F		
SB P23 ST		FL31413F	FL40418F	FLCR021F	F200005F	F7200001F
SB M3 ST MV		FL40046F	FL40419F	FLCR032F	F200005F	F7200001F
SB M5 ST		FL40047F	FL40420F	FLCR043F	F200005F	F7200001F
SB M5 ST MV		FL40047F	FL40420F	FLCR043F	F200005F	F7200001F
SB P40 STG PV		FL40047F	FL40420F	FLCR043F	F200005F	F7200001F


**WORKSTATION**



Table with drawer  
27-9/16" x 27-9/16" x 33-7/16"

**EDP FAP004F**

**PRECISION DRILL CHUCKS**



1/8" - 5/8" MT3 Integral Shank  
Maximum T.I.R. 0.0012"

**EDP FL40046F**

1/8" - 5/8" MT4 Integral Shank  
Maximum T.I.R. 0.0012"

**EDP FL40047F**


1/32" - 1/2" B16 Mount  
Maximum T.I.R. 0.0016"

**EDP FL40754F**

1/8" - 5/8" MT2 Integral Shank  
Maximum T.I.R. 0.0016"

**EDP FL31413F**

**DRILL SLEEVES**




MT1 to MT2  
**EDP FLCR021F**

MT2 to MT3  
**EDP FLCR032F**

MT3 to MT4  
**EDP FLCR043F**

**DRILL DRIFTS**



Morse 1 and 2  
**EDP FL40418F**

Morse 2 and 3  
**EDP FL40419F**

Morse 3 and 4  
**EDP FL40420F**

**COOLANT**



EuroKol 2000  
**EDP F200005F**

**TAPPING FLUID**



EuroTap 7200  
**EDP F7200001F**



# Accessories

for Form Drilling



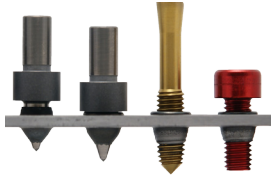
Formdrills	Heat Dissipating Holder	Formdrill	Formtap	ER Collets	Drill Drift	Drill Sleeve	Lubricant	Tapping Fluid
SB P23 ST-FB	●	●	●	●	FL40418F	FLCR021F	FDKSOF	FTOILF
SB M3 ST-FB	●	●	●	●	FL40419F	FLCR032F	FDKSOF	FTOILF
SB P40 STG-FB PV	●	●	●	●	FL40420F	FLCR043F	FDKSOF	FTOILF

**HEAT DISSIPATING HOLDERS**



Morse Taper 2  
**EDP FDMC2F**  
Morse Taper 3  
**EDP FDMC3F**

**FORMTAP & FORMDRILL**



UNC/Metric  
Coarse/NPT  
and more  
Available on Request  
**CONTACT  
CUSTOMER SERVICE  
AT 740.392.1549**

**ER COLLETS**



**ER25**  
0.197"-0.236" **EDP F13808F**  
0.276"-0.315" **EDP F13810F**  
0.354"-0.394" **EDP F13812F**  
0.433"-0.472" **EDP F13814F**  
0.512"-0.551" **EDP F13816F**  
0.591"-0.630" **EDP F13818F**

**ER32**  
0.197"-0.236" **EDP F13822F**  
0.276"-0.315" **EDP F13824F**  
0.354"-0.394" **EDP F13826F**  
0.433"-0.472" **EDP F13828F**  
0.512"-0.551" **EDP F13830F**  
0.591"-0.630" **EDP F13832F**  
0.669"-0.709" **EDP F13834F**

**CONTACT CUSTOMER SERVICE AT 740.392.1549**

**DRILL DRIFTS**



Morse 1 and 2  
**EDP FL40418F**  
Morse 2 and 3  
**EDP FL40419F**  
Morse 3 and 4  
**EDP FL40420F**

**DRILL SLEEVES**



MT1 to MT2  
**EDP FLCR021F**  
MT2 to MT3  
**EDP FLCR032F**  
MT3 to MT4  
**EDP FLCR043F**

**LUBRICANT**



For thermal drilling in  
steel and stainless steel  
**EDP FDKSOF**

**TAPPING FLUID**



Oil lubricant for Formtaps  
1 quart  
**EDP FTOILF**



# Accessories

## for Belt Grinders

### Abrasive Belts

Abrasive Type: Coated

Abrasive Material: Alumina-Zirconia

Backing Material: Polycut cloth

Backing Weight: Y

Series: 577F

Coat Density: Closed

Belt Length: 79"

### Belt Cleaner



2x2x12

EDP: FCLR2212F

### 3" Belts



EDP	Grit	Part Number
F379040F	40	3X79 P40Y 577F
F379060F	60	3X79 P60Y 577F
F379080F	80	3X79 P80Y 577F
F379100F	100	3X79 P100Y 577F
F379120F	120	3X79 P120Y 577F
F379240F	240	3X79 P240Y 577F
F379320F	320	3X79 P320Y 577F

### 6" Belts



EDP	Grit	Part Number
F679040F	40	6X79 P40Y 577F
F679060F	60	6X79 P60Y 577F
F679080F	80	6X79 P80Y 577F
F679100F	100	6X79 P100Y 577F
F679120F	120	6X79 P120Y 577F
F679240F	240	6X79 P240Y 577F
F679320F	320	6X79 P320Y 577F



## Product Guide Drilling Machines

FLOTT offers the customer a wide selection of high quality drilling machines, which allows the user to select an optimal machine for working in the drilling range from 0.5 to 50 mm.

The machines are **sorted** by their drilling and tapping capacities. Among the assembly groups, the **essential accessories and optional equipment** available are listed.

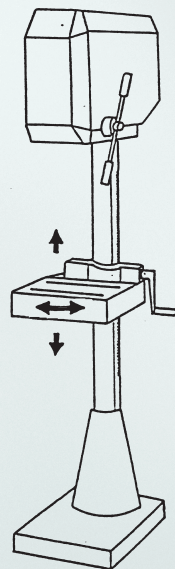
All FLOTT machines are characterized by a modern and ergonomic **design** and **the brands technological advance** is documented by numerous **patents** and **trademarks**.

A lot of the FLOTT drilling machines are standardly equipped **with modern electronic devices** such as **digital depth and speed indicating displays** as well as **electronic continuously variable drives** in order to facilitate the operation of our machines.

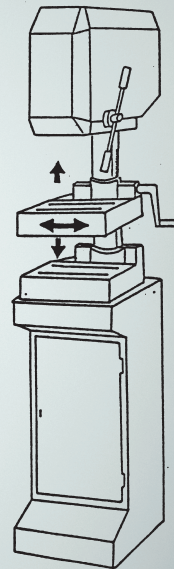
**The extraordinary product quality, durability** and **longevity** of the FLOTT machines are appreciated worldwide.

**Product safety** has top priority to us and it has always been. All FLOTT machines do fulfill the high European safety regulations and standards (CE) in total.

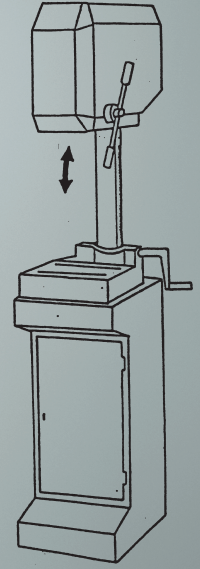
## Types of Drilling Machines



**SB**  
Column Drilling Machine



**TB**  
Bench Drilling Machine  
with Table



**TBZ**  
Bench Drilling Machine  
without Table  
with rack

### Additional Abbreviations

<b>ST</b>	Continuous variable drive
<b>G electronic</b>	Tapping device, electronically controlled
<b>MV</b>	Mechanical movement, with electromagnetic coupling
<b>PV electronic</b>	Programmable feed with electromagnetic coupling feed, electronically controlled; digital multi-functional display
<b>FB</b>	Flow-Forming



## Description of the essential product range

**Electronic AC machines of the series 10, 13 STW electronic**  
State of-the-art machinery, for use in laboratories, workshops and schools. For permanent or industrial use, we recommend the machines of the FLOTT E-, M- and P series.

### Products of the E-series

Our value for money machine line for use in industry and trade. **Belt driven** machine with speed adjustment by manually switching the belt.

### Products of the M-series

Production machines for use in industry and trade **with infinitely variable speed control**. From model M 3 onwards a mechanical **three speed drill feed** unit is as option available.

### Products of the P-series/The FLOTT top series

Production machines for industrial use equipped with infinitely variable speed control, **digital indicators of drilling depth and drilling speed**. From model P 30 ST onwards a programmable feed (range 0-300 mm/min.) is available.

### Drilling and milling machines

Heavy duty production machines for use in industry and trade with gear supported speed control.

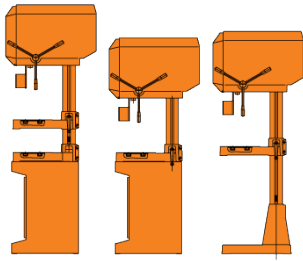


# Bohren mit **FLOTT**

Werkzeugmaschinen

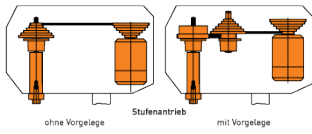
High Quality –  
made in Germany  
since 1854.

## Bauarten

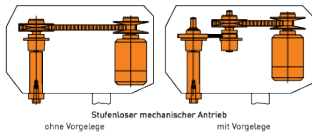


**TB** Tischbohrmaschine mit Zwischentisch  
**TBZ** Tischbohrmaschine ohne Zwischentisch  
**SB** Säulenbohrmaschine

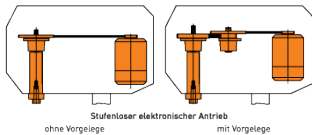
## Antriebe



ohne Vorgelege      Stufenantrieb mit Vorgelege



Stufenloser mechanischer Antrieb ohne Vorgelege      mit Vorgelege



Stufenloser elektronischer Antrieb ohne Vorgelege      mit Vorgelege

## Anzeige und Bedienfeld



- Betriebsart **Handvorschub**
- Betriebsart **Programmierbarer Vorschub**
- Betriebsart **Gewindeschneiden**
- Reset-Taste** setzt den aktuellen Bohrtiefenwert auf 0
- Enter-Taste** übernimmt den aktuellen Bohrtiefenwert
- Zeilencursor** wechselt zwischen Bohrtiefenwert und Vorschubgeschwindigkeit
- Spaltencursor** wechselt innerhalb der Stellen eines Wertes
- Plus-Taste** erhöht den Wert
- Minus-Taste** vermindert den Wert

Digitales Display für Bohrtiefen-, Drehzahl- und Vorschubanzeige mit Bedienelement

Polschalter

Hauptschalter

Not-Aus-Schlagtaster

Bohrtiefenfeineinstellung

Bohrspindel

Bohrmaschinenchutz mit elektrischer Verriegelung

flexibler Kühlmittelschlauch

Bohrtisch

Fußplatte (bearbeitet mit T-Nuten)

schnell wechselbares Modul für Kühlschmieremulsion inkl. Anzeige

Bohrkopf

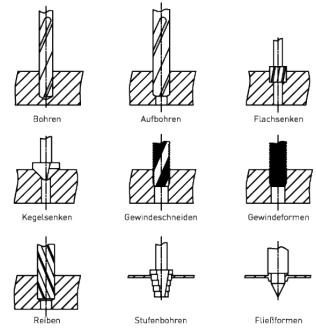
Bohrkreis mit Drucktaster für Vorschub Ein-/Ausschaltung

Handkurbel der Tischhöhenverstellung

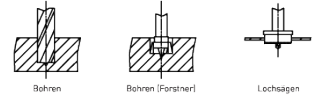
Zahnstange

Kühlschmiermittelpumpe

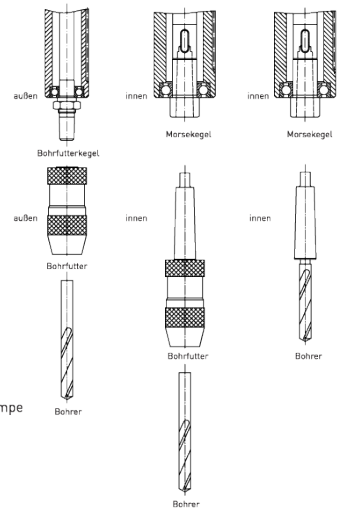
## Arbeitsverfahren Metall, Kunststoff



## Holz, Kunststoff



## Spannmittel Für Werkzeuge



## Sicherheit beim Bohren



## Auszug aus dem FLOTT Programm Bohren, Schleifen und Sägen:



Säulenbohrmaschine



Tischbohrmaschine



Bandschleifmaschine



Doppelschleifmaschine



Metallbandsäge



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To be receptive & proactive in identifying solutions for our customer's needs & requirements.



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EDP: FLO-CAT14

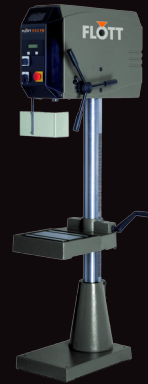
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Mount Vernon, Ohio 43050  
phone (740) 392-1549  
fax (740) 392-0230

[www.eurolinkinc.com](http://www.eurolinkinc.com)  
[sales@eurolinkinc.com](mailto:sales@eurolinkinc.com)

## Drill Presses



## Formdrills



## Belt Grinders

