

# Specifications - SDV35

## ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Compatible with all screws – Vacuum technology
- True collaborative safety (PLd) – Fenceless
- Torque range - 0.3-3.3Nm
- Up to 8 screws pr. Minute
- Slim tool tip – reach narrow spaces (15 mm)
- Automatic bit changer
- Hand guided programming with teach pointer
- VDI/VDE 2862-1 compliant



Supports Pan/button head, cylinder & counter sunk screws

Screwdriver SDV35	Min		Typical		Max	
	Torque range	0.3Nm	1.8 in-lbs	-	-	3.3 Nm
Torque Accuracy	±10 % <sup>1</sup>					
Speed range	15 rpm		-	-	730 rpm	
Screw diameter	M2.5	#3	-	-	M5	#10
Screw length with full safety	35 mm / 1.37 in					
Supported screw types	All - (Machine, self-cutting, self-forming)					
Electric interface	8-pole M12 (Signals), 4-pole M12 (Power)					
Digital interfaces	URCap (URSoftware ≥ 5.11), URScripts, OPC-UA 40451-1, 24V Digital I/O					
Motor Power (continues)	70W					
Power (supplied by Spin Bridge)	42V DC @10A		48V DC @10A		54 V DC@10A	
Robot flange interface	ISO9409-1, type 50-4-M6					
IP Classification	IP53					
Temperatur range	0°C	32°F	-	-	50°C	122°F
Safety shield outer diameter	15 mm / 0.60 inch					
Dimensions	52 x 325 x 159 mm / 2.0 x 12.8 x 6.26 inch					
Weight	2.4 kg / 5.3 lb					
ESD safe	YES					

1. Value at initial factory calibration. Accuracy typically increases when calibrated in operating conditions, depending on joint materials  
 2. Cat. B: Breakdown - **Control variables** (Speed (directly), Torque (indirectly)) - **Monitoring variables** - Angle, Speed (directly), Torque (indirectly) - **Result availability:** Through OPC-UA + Spin Dashboard

## Future of Assembly



# Specifications - SDV50

## ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Compatible with all screws – Vacuum technology
- True collaborative safety (PLd) – Fenceless
- Torque range - 0.5-5Nm
- Up to 8 screws pr. Minute
- Slim tool tip – reach narrow spaces (15 mm)
- Automatic bit changer
- Hand guided programming with teach pointer
- VDI/VDE 2862-1 compliant



Supports Pan/button head, cylinder & counter sunk screws

Screwdriver SDV50	Min		Typical		Max	
	Torque range	0.5Nm	4.4 in-lbs	-	-	5 Nm
Torque Accuracy	±10 % <sup>1</sup>					
Speed range	15 rpm		-	-	510 rpm	
Screw diameter	M2.5	#3	-	-	M5	#10
Screw length with full safety	35 mm / 1.37 in					
Supported screw types	All - (Machine, self-cutting, self-forming)					
Electric interface	8-pole M12 (Signals), 4-pole M12 (Power)					
Digital interfaces	URCap (URSoftware ≥ 5.11), URScripts, OPC-UA 40451-1, 24V Digital I/O					
Motor Power (continues)	70W					
Power (supplied by Spin Bridge)	42V DC @10A		48V DC @10A		54 V DC@10A	
Robot flange interface	ISO9409-1, type 50-4-M6					
IP Classification	IP53					
Temperatur range	0°C	32°F	-	-	50°C	122°F
Safety shield outer diameter	15 mm / 0.60 inch					
Dimensions	52 x 325 x 159 mm / 2.0 x 12.8 x 6.26 inch					
Weight	2.4 kg / 5.3 lb					
ESD safe	YES					

1. Value at initial factory calibration. Accuracy typically increases when calibrated in operating conditions, depending on joint materials  
 2. Cat. B: Breakdown - **Control variables** (Speed (directly), Torque (indirectly)) - **Monitoring variables** - Angle, Speed (directly), Torque (indirectly) - **Result availability:** Through OPC-UA + Spin Dashboard

## Future of Assembly



# Specifications - SDV70

## ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Compatible with all screws – Vacuum technology
- True collaborative safety (PLd) – Fenceless
- Torque range - 0.8-7.0Nm
- Up to 8 screws pr. Minute
- Slim tool tip – reach narrow spaces (15 mm)
- Automatic bit changer
- Hand guided programming with teach pointer
- VDI/VDE 2862-1 compliant



Supports Pan/button head, cylinder & counter sunk screws

Screwdriver SDV70	Min		Typical		Max	
	Torque range	0.8Nm	7 in-lbs	-	-	7.0 Nm
Torque Accuracy	±10 % <sup>1</sup>					
Speed range	15 rpm		-		350 rpm	
Screw diameter	M3	#5	-		M6	#14
Screw length with full safety	35 mm / 1.37 in					
Supported screw types	All – (Machine, self-cutting, self-forming)					
Electric interface	8-pole M12 (Signals), 4-pole M12 (Power)					
Digital interfaces	URCap (URSoftware ≥ 5.11), URScripts, OPC-UA 40451-1, 24V Digital I/O					
Motor Power (continues)	70W					
Power (supplied by Spin Bridge)	42V DC @10A		48V DC @10A		54 V DC@10A	
Robot flange interface	ISO9409-1, type 50-4-M6					
IP Classification	IP53					
Temperatur range	0°C	32°F	-		50°C	122°F
Safety shield outer diameter	15 mm / 0.60 inch					
Dimensions	52 x 325 x 159 mm / 2.0 x 12.8 x 6.26 inch					
Weight	2.4 kg / 5.3 lb					
ESD safe	YES					

1. Value at initial factory calibration. Accuracy typically increases when calibrated in operating conditions, depending on joint materials  
 2. Cat. B: Breakdown - **Control variables** (Speed (directly), Torque (indirectly)) - **Monitoring variables** - Angle, Speed (directly), Torque (indirectly) - **Result availability:** Through OPC-UA + Spin Dashboard

## Future of Assembly



# Specifications - SDV120

## ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Compatible with all screws – Vacuum technology
- True collaborative safety (PLd) – Fenceless
- Torque range - 2.0-12Nm
- Up to 8 screws pr. Minute
- Slim tool tip – reach narrow spaces (18 mm)
- Automatic bit changer
- Hand guided programming with teach pointer
- VDI/VDE 2862-1 compliant



Supports Pan/button head, cylinder & counter sunk screws

Screwdriver SDV120	Min		Typical		Max	
	Torque range	2.0Nm	17.7 in-lbs	-	-	12 Nm
Torque Accuracy	±10 % <sup>1</sup>					
Speed range	15 rpm		-		180 rpm	
Screw diameter	M5	#10	-		M8	
Screw length with full safety	35 mm / 1.37 in					
Supported screw types	All – (Machine, self-cutting, self-forming)					
Electric interface	8-pole M12 (Signals), 4-pole M12 (Power)					
Digital interfaces	URCap (URSoftware ≥ 5.11), URScripts, OPC-UA 40451-1, 24V Digital I/O					
Motor Power (continues)	70W					
Power (supplied by Spin Bridge)	42V DC @10A		48V DC @10A		54 V DC@10A	
Robot flange interface	ISO9409-1, type 50-4-M6					
IP Classification	IP53					
Temperatur range	0°C	32°F	-		50°C	122°F
Safety shield outer diameter	15 mm / 0.60 inch					
Dimensions	52 x 325 x 159 mm / 2.0 x 12.8 x 6.26 inch					
Weight	2.4 kg / 5.3 lb					
ESD safe	YES					

1. Value at initial factory calibration. Accuracy typically increases when calibrated in operating conditions, depending on joint materials  
 2. Cat. B: Breakdown - **Control variables** (Speed (directly), Torque (indirectly)) - **Monitoring variables** - Angle, Speed (directly), Torque (indirectly) - **Result availability:** Through OPC-UA + Spin Dashboard

## Future of Assembly



# Specifications - Compressed Air

## HIGH PRESSURE AIR SUPPLY

Specifications air supply	<u>Min</u>	<u>Typical</u>	<u>Max</u>
Air supply connector type	6 mm (1/4 in) OD Tube		
Air supply thread	5mm metric (M5)		
Compressed air supply pressure range	5.5 bar (80 psi)	-	7 bar (100 psi)
Optimal compressed air pressure	6 bar (87 psi)		
Air consumption at optimal pressure	21 L/min (5,5 gpm)		
Media (compressed air)	ISO 8573-1 class 3.4.3 (dry and filtered air that complies with standard ISO 8573-1 class 3.4.3)		