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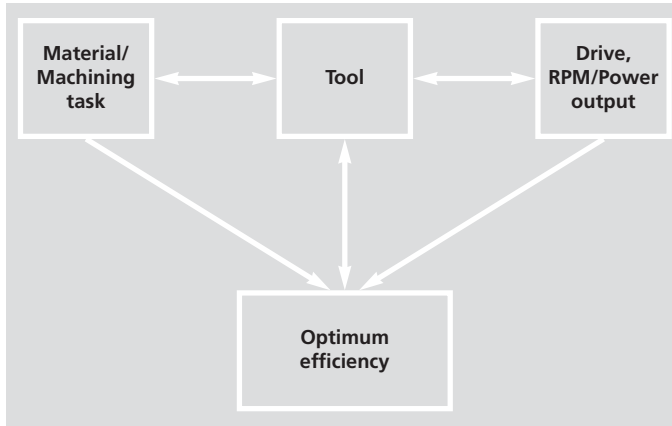
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# Tool Drives



Optimum speed and adequate power are necessary conditions for an economically efficient use of portable power tools. The present catalogue 209 offers a wealth of

possibilities for combining tools and drive systems into an optimum solution for any given material/work-piece and machining task.



Air grinders



Electric grinders



Flexible shaft machines, flexible shafts

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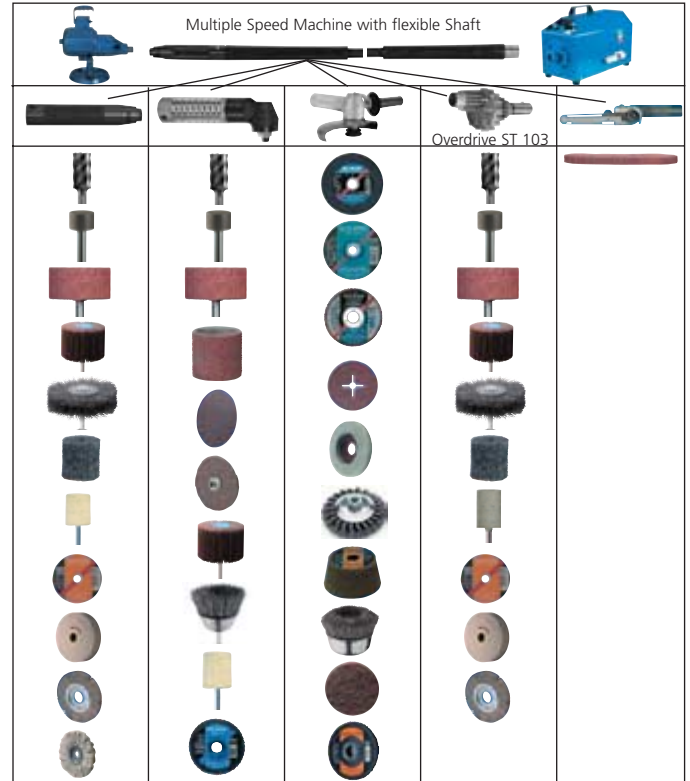
# Tool Drives



These diagrams show multiple applications of a multiple speed machine with flexible shafts and various handpieces. With the overdrive ST 103 the transmission ratio for the peripheral speeds is 1:3, three times as fast; a great increase

in the range of rotation speeds. Many different PFERD-Tools can be applied exactly according to the machining task.

Here are some examples:





Speed RPM						
80.000	PG 1/800 (p.5 / 209) PGAS 1/800 (p.5 / 209) PWS 1/800 (p. 5 / 209)					
70.000	PGT 3/700 (p.5 / 209)					
50.000	PG 3/500 S (p.7 / 209)					
44.000	PG 3/440 (p.7 / 209) PG 3/440 HV (p.7 / 209) PGZ 2/330 SU with support (p.7 / 209) PGZ 2/330 without support (p.7 / 209)					
40.500						
38.000	PG 3/380 HV (p.7 / 209)					
36.000						
33.000						
28.000	PG 5/280 DH (p.9 / 209)					
25.000	PG 3/250 S (p.9 / 209) PWS 1/250 (p.9/209)	UGER 5/250 SI (p.28/209)		SD all types If equipped with overdrive 1:3 Type	MD10 All types If equipped with overdrive 1:3 Type	QD All types If equipped with overdrive 1:3 Type
23.000	PG 5/230 DH (with oil) (p.9 / 209) PG 5/230 V-DH (with oil) (p.9 / 209)		RUER 5/250 SI (p.30/209)			
22.000	PG 8/220 HV (p.11 / 209) PG 8/220 V-HV (p.11 / 209)		RUER 10/250 SI (p.30/209)			
21.000	PWS 5/210 DH (p.11 / 209)					PWS 5/210 DH with belt grinder (p.11 / 209)
20.000	PWS 3/200 HV (p.11 / 209)					PWS 3/200 HV with belt grinder (p.16/new in prog. '02)

### Machine drive colour code






The table of speeds for the named drive.

- = Straight grinder
- = Angle grinder
- = Flexible shaft machines
- = Belt grinder



Speed RPM									
18.000	PG 5/230 DH (without oil) (p.9 / 209) PG 5/230 V-DH (without oil) (p.9 / 209) PG 5/180 DH (p.13 / 209) PG 5/180 V-DH (p.13 / 209) PG 9/180 V-DH (p.13 / 209)	UGER 5/250 SI (p.28/209)	RUER 5/250 SI (p.30/209)  RUER 10/250 SI (p.30/209)	SD all types  If equipped with overdrive 1:3 Type		MD 10 all types  If equipped with overdrive 1:3 Type	QD all types  If equipped with overdrive 1:3 Type	PBS 5/160 S-HV PBS 5/160 N-HV PBS 5/160 B-HV (p.23/209) PWS 5/160 DH (with oil) with belt grinder (p.13/209)	
17.000	PWS 5/170-45 DH (with oil) (p.13 / 209)								
16.000	PG 8/160 HV (p.15 / 209) PGAS 8/160 V-HV (p.15 / 209)								
14.000	PWS 5/170-45 DH (without oil) (p.13/209)							PWS 5/160 DH (with oil) with belt grinder (p.13/209)	
13.500									
13.000	PWS 5/160 DH (without oil) (p.13 / 209) PWS 5/130 DH (p.15 / 209)			SD 25-40 (p.36/209)					PWS 5/160 DH plus belt (p.15/209) PWS 5/160 DH (without oil) with belt grinder (p.13/209)
12.000	PG 9/120 V-DH (p.15 / 209) PG 12/120 V-HV (p.17 / 209)  PW 3/120 HV (p.15 / 209) PW 9/120 DH (p.17 / 209) PW 11/120 HV (p.17 / 209) PW 11/120 AVH (p.17 / 209) PW 12/120 HV (p.17 / 209)	UG 8/120 SI (p.28/209)		SD 25-40 D (p.36/209)	RUG 19/120 SI (p.30/209)	MD 10 (p.34/209)  MD 10 B1 (p.34/209)  MD 10 B2 (p.34/209)		PW 9/120 DH with belt grinder (p.17/209)	
11.000									
10.000	PG 8/100 HV (p.19 / 209) PGAS 8/100 HV (p.19 / 209) PG 8/100 V-HV (p.19 / 209) PGAS 8/100 V-HV (p.19 / 209)					MD 10 D (p.34/209)  MW 07 (p.34/209)	QD 05 (p.32/209) QD 05 B1 (p.32/209) QD 05 B2 (p.32/209) QD 05 D (p.32/209)	UBS 5/100 SI 925 (p.29/209)	



Speed RPM										
9.000		<b>UGER 5/90 SI</b> (p.28/209)	<b>RUER 5/90 SI</b> (p.30/209)	<b>SD 25-40</b> (p.36/209)	<b>RUG 19/120 SI</b> (p.30/209)	<b>MD 10</b> (p.34/209)	<b>QD 05</b> (p.32/209)	<b>UBS 5/100 SI 925</b> (p.29/209)		
7.000	<b>PG 12/70 V-HV</b> (p.21 / 209)			<b>SD 25-40 D</b> (p.36/209)		<b>MD 10 B1</b> (p.34/209)	<b>QD 05 B1</b> (p.32/209)		<b>PBS 12/70 V-HV35</b> (p. 21 / 209)	
5.600						<b>MD 10 B2</b> (p.34/209)	<b>QD 05 B2</b> (p.32/209)			
5.000	<b>PG 8/50 V-HV</b> (p.21 / 209)	<b>UGER 10/60 SI</b> (p.28/209)				<b>MD 10 D</b> (p.34/209)	<b>QD 05 D</b> (p.32/209)		<b>UBS 5/70 Si-R</b> p.14 / new in programme 2002	
4.000	<b>PG 5/40 V-DH</b> (p.23 / 209)					<b>MW 07</b> (p.34/209)				
3.000										
2.500			<b>STD 24</b> (p.34/209)							
2.000			<b>STD 27-40</b> (p.36/209)							
1.000										
850										
750										