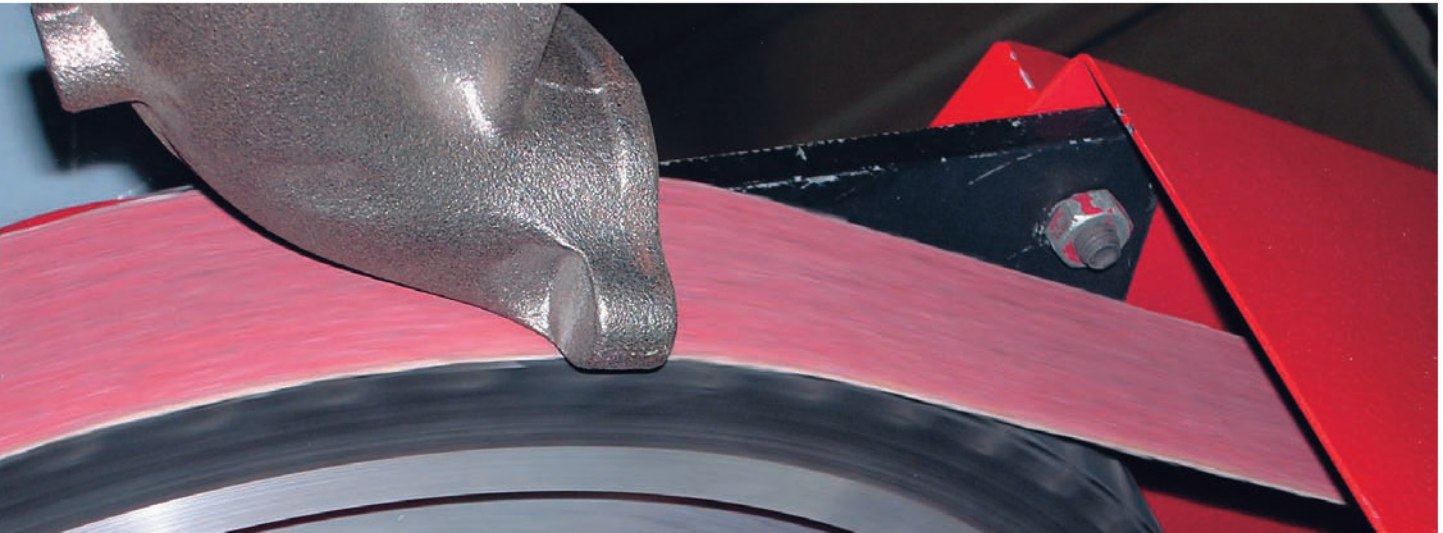


Flexible instead of bonded

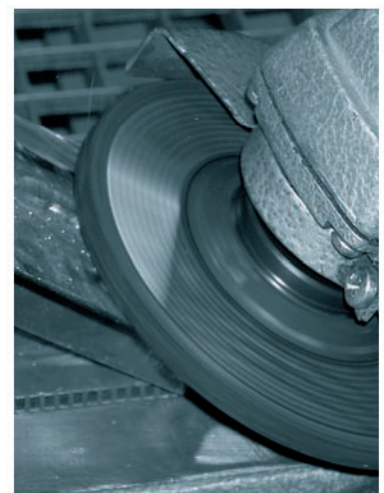
The advantages of flexible
over bonded abrasives and
other stock removal processes

Industrial grinding processes with flexible abrasives



The most important reasons for using flexible abrasives:

- can be operated for longer
(no “white fingers” syndrome)
- better surface quality
- more cost effective
- can be operated more safely and
risk of accidents is reduced
- time-consuming deburring unnecessary
as no burrs form during grinding
- sealing areas on the workpiece can be
dimensioned smaller as edge breaks
are eliminated



Conventional process:
grinding with bonded abrasives

Your benefit:

Safer workplace

- due to **easier handling** and **decreased risk of accident** because of less moving mass
- due to **less vibration** (no “white fingers” syndrome)
- due to **lower noise level**

More cost-effective

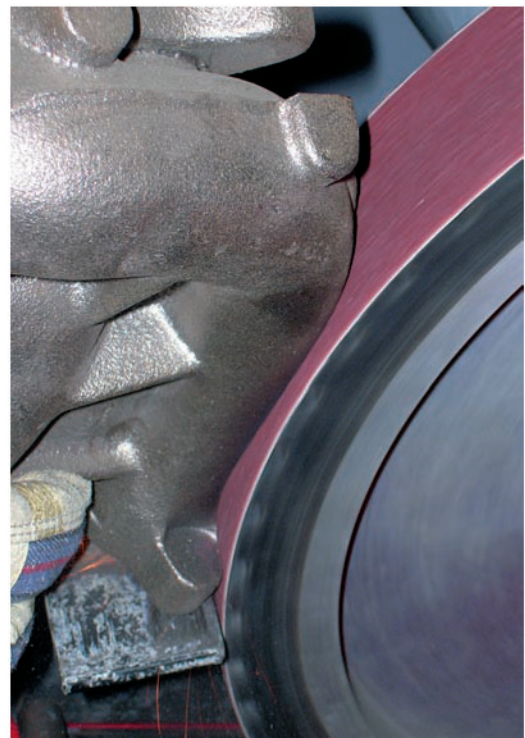
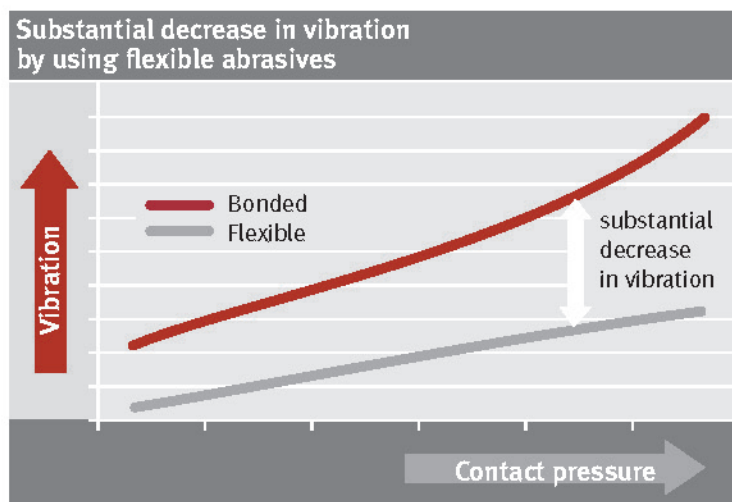
- due to **higher level of stock removal per time unit**
- due to **shorter tool set-up times**
- due to **shorter processing time**

Better workpiece quality

- due to quicker and more accurate **adjustment of the type of abrasives** to the material
- due to quicker and more accurate **adjustment of the abrasive grain** to suit the required surface finish
- due to **adjustment of the tool to suit the workpiece**

Examples:

Example 1: When deburring cast iron parts
grinding belts replace the conventional bonded abrasives.



Example 2: When smoothing weld seams

fibre discs replace the heavy grinding wheels.

Example 3: When preparing V-shaped seams for welding

abrasive belts and fibre discs make milling, filing or planing unnecessary.

Example 4: When flat grinding sealing areas

in combustion engines and exhaust manifolds, belt grinding machines can replace the traditional milling process.

Example 5: When grinding cylinders

belt grinding machines can improve the process by disc grinding.

Example 6: When grinding railway tracks

belt grinding machines can replace grinding with disc grinders.

