

The logo for bbw, consisting of the lowercase letters 'bbw' in a bold, white, sans-serif font, positioned on a dark green rectangular background.

bbw Group in Berlin und Brandenburg

consulting
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WANDEL GESTALTEN
KOMPETENZEN ERWEITERN
RAUM SCHAFFEN
GRUNDSTEINE LEGEN
NEUANFANG WAGEN

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Transfer of innovation and new methods for identifying vocational competence within vocational education in the M+E sector as illustrated by two vocations

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M+E Sector Manufacturing Processes
Obligatory job skills required for
Mechatronics Technicians and Metal
Cutting Technicians
Review of the situation in Germany
by expert Hansjürgen Schubert

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Job Skills for Mechatronic Technicians

1. Examining, designating and marking
2. Shaving, Severing, Converting
manually and by machine
3. Joining
4. Fitting electric units and components

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Job Skills for Mechatronic Technicians

5. Measuring and checking electric dimensions
6. Consigning and testing hardware and software components
7. Installing and testing electric, pneumatic and hydraulic control units
8. Programming mechatronic systems

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Job Skills for Mechatronic Technicians

9. Assembling units and components for machines and systems
10. Assembling and disassembling machines, systems and equipment
11. Transporting and securing
12. Examining and adjusting functions of mechatronic systems

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Job Skills for Mechatronic Technicians

13. Starting and operating mechatronic systems
14. Maintaining mechatronic systems

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Job Skills for Metal Workers/ Metal Cutting Technicians

1. Producing assembly elements with manual tools
2. Producing assembly elements by machine
3. Producing simple assembly parts by machine
4. Servicing technical systems

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Job Skills for Metal Workers/ Metal Cutting Technicians

5. Producing assembly parts by machining processes
6. Checking and maintaining machine tools
7. Starting technical control units
8. Programming and operating numerically controlled machine tools

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Job Skills for Metal Workers/ Metal Cutting Technicians

9. Producing assembly parts in precision processes
10. Optimizing the production process
11. Planning and organising computerised production
12. Scheduling and executing a single-piece production order
13. Organising and supervising a batch production process