



Product Overview

Machine Tools

McMurphy Manufacturing sells a wide variety of **machine tools**.

- **Mills**—We make our mills with the newest technology. These machines will function reliably for years. And our **CNC mills** operate with advanced computer technology.
- **Drill presses**—We make drill presses with the finest materials. Expect excellent precision at very low prices.
- **Band saws**—Our specialty band saw is precise and reliable. It cuts through even the toughest materials.
- **Lathes**—Our lathes have sturdy construction and noiseless operation.
- **Lead screws**—We sell lead screws in a variety of shapes and sizes. **Honing machines, gear shapers, and broaches** are also available.

Get ready!

1 Before you read the passage, talk about these questions.

- 1 What is the difference between a hand tool and a machine tool?
- 2 What are some different types of machine tools?

Reading

2 Read the webpage. Then, mark the following statements as true (T) or false (F).

- 1 The company sells mills that are run by computers.
- 2 The webpage advertises several types of band saws.
- 3 According to the webpage, the company's honing machines are very quiet.

Vocabulary

3 Match the words (1-6) with the definitions (A-F).

| | | | |
|---|-----------------------------------|---|---|
| 1 | <input type="checkbox"/> mill | 4 | <input type="checkbox"/> drill press |
| 2 | <input type="checkbox"/> lathe | 5 | <input type="checkbox"/> gear shaper |
| 3 | <input type="checkbox"/> band saw | 6 | <input type="checkbox"/> honing machine |

- A a machine tool that creates teeth in machine parts
- B a machine tool that creates smooth surfaces on metal
- C a machine tool that flattens surfaces and adds holes or slots
- D a machine tool that rotates materials to shape them
- E a machine tool that cuts materials with a steel blade
- F a machine tool that creates holes in surfaces

4 Read the sentence pairs. Choose which word best fits each blank.

1 CNC mill / broach

A The engineer used a _____ to remove excess material.
B With a _____, smoothing a surface is easy.

2 machine tools / lead screws

A The company replaced different parts of _____.
B Since the _____ were too small, the engineer returned them to the hardware store.

5 Listen and read the webpage again. What is the purpose of a mill?

Listening

6 Listen to a conversation between two mechanical engineers. Choose the correct answers.

1 What is the conversation mostly about?
A a damaged machine tool
B the differences between machine tools
C which machine tools to order
D how to use a particular machine tool

2 What is the purpose of the woman's suggestion?
A to improve the speed of a machining process
B to prevent damage to a machine tool
C to provide safer guidelines for using equipment
D to reduce the costs of maintaining machines

7 Listen again and complete the conversation.

Engineer 1: Hi, Wendy. Did you see the new product catalogue?
Engineer 2: Yes, I did. And we 1 _____ some new tools.
Engineer 1: Do you have any 2 _____ in mind?
Engineer 2: Well, I suggest that we order a 3 _____.
Engineer 1: Oh, yeah. Some of those CNC mills look 4 _____.
Engineer 2: Exactly. The new technology would make the process 5 _____.
Engineer 1: That's a great idea. I'll 6 _____ this afternoon.

Speaking

8 With a partner, act out the roles below based on Task 7. Then, switch roles.

USE LANGUAGE SUCH AS:

We definitely need ...
Do you have ... in mind?
I suggest ...

Student A: You are an engineer. Talk to Student B about:

- new machine tools that are available
- what he or she wants to order
- the advantage of a particular tool

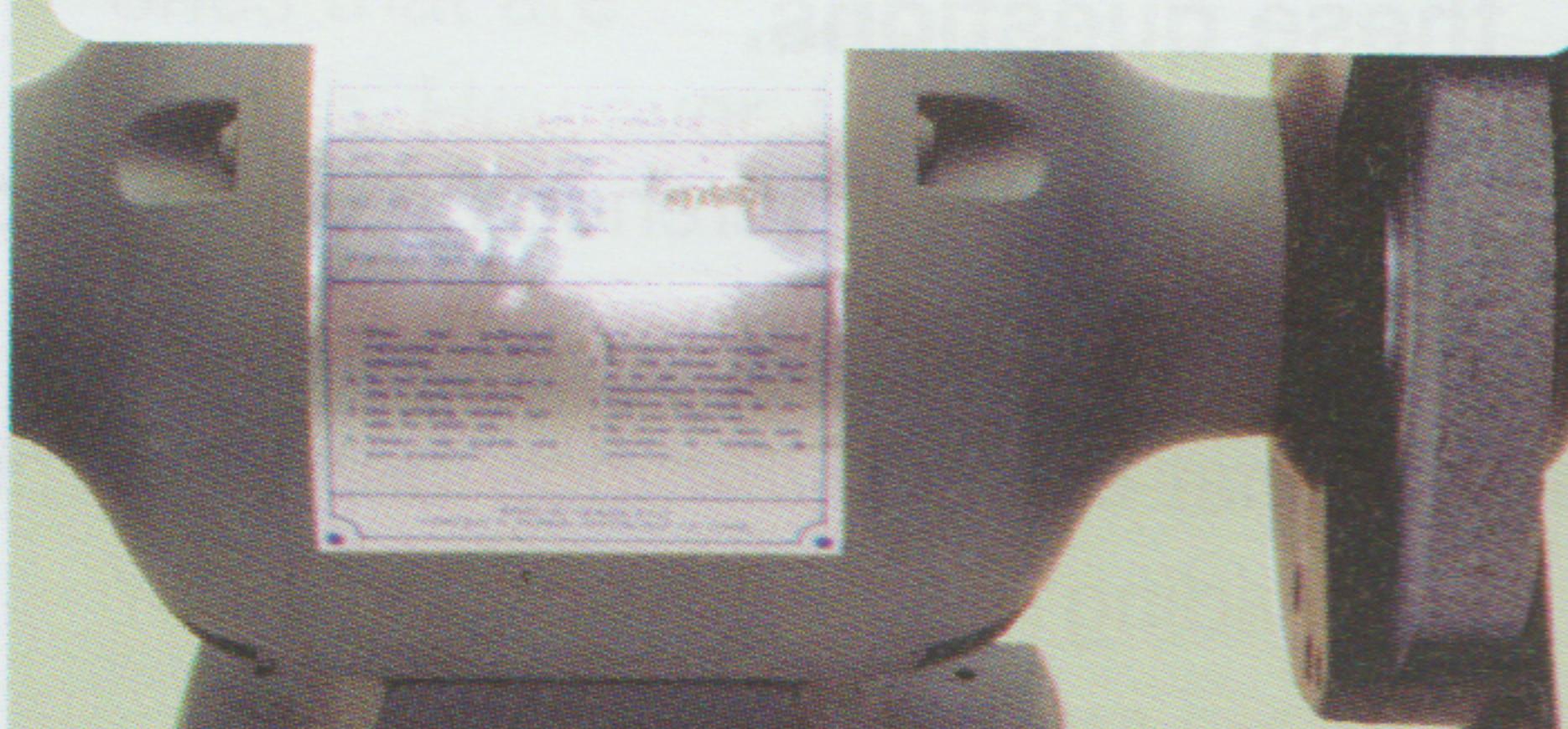
Student B: You are an engineer. Talk to Student A about new machine tools that are available.

Writing

9 Use the webpage and the conversation from Task 8 to fill out the product order request.

Selburn Engineering Associates

Product Requests



Product requested: _____

Do we already have this type of product? Y / N

Why do you want to order this product?
