

## 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.



band saw



drill press



lead screw



lathe



CNC mill



mill

## 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 ___ mill     | 4 ___ drill press    |
| 2 ___ lathe    | 5 ___ gear shaper    |
| 3 ___ band saw | 6 ___ 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.

- What is the conversation mostly about?
  - a damaged machine tool
  - the differences between machine tools
  - which machine tools to order
  - how to use a particular machine tool
- What is the purpose of the woman's suggestion?
  - to improve the speed of a machining process
  - to prevent damage to a machine tool
  - to provide safer guidelines for using equipment
  - 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

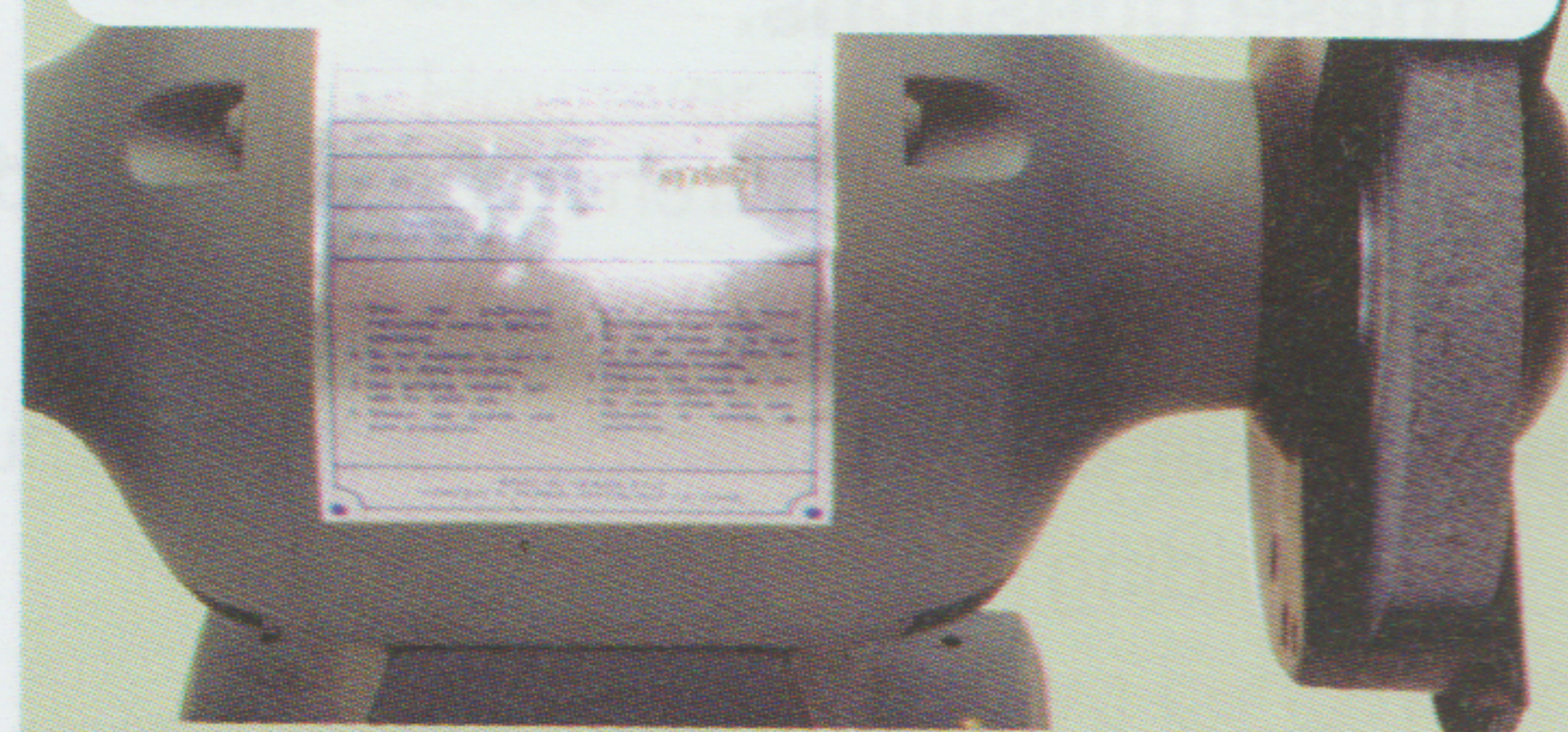
**Student B:** You are an engineer. Talk to Student A about new machine tools that are available.

### 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?