

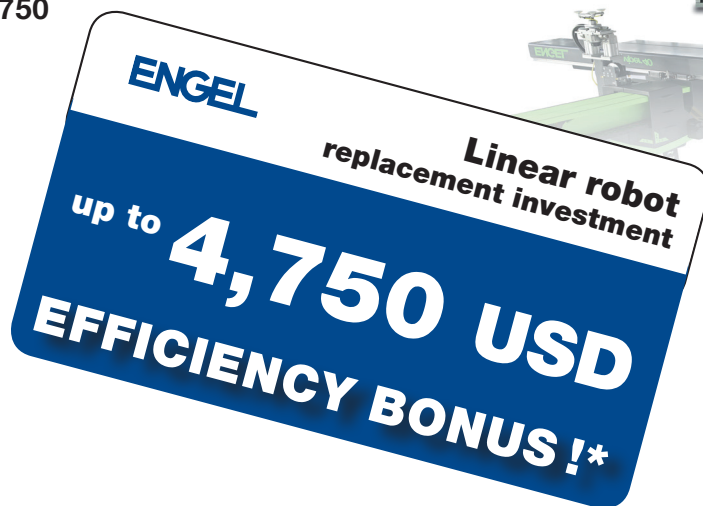
# Upgrade to better efficiency **with a Bonus!** The ENGEL **viper**.

**Now through December 31st, 2013** trade-in your old\* linear robot for a powerful new ENGEL viper and **save up to \$4,750 USD!**

This offer is good for all manufacturer brands.

Program rebates:

<b>viper 6</b>	<b>\$ 1,000</b>
<b>viper 12</b>	<b>\$ 1,500</b>
<b>viper 20</b>	<b>\$ 2,000</b>
<b>viper 40</b>	<b>\$ 2,750</b>
<b>viper 60</b>	<b>\$ 3,750</b>
<b>viper 90</b>	<b>\$ 4,750</b>

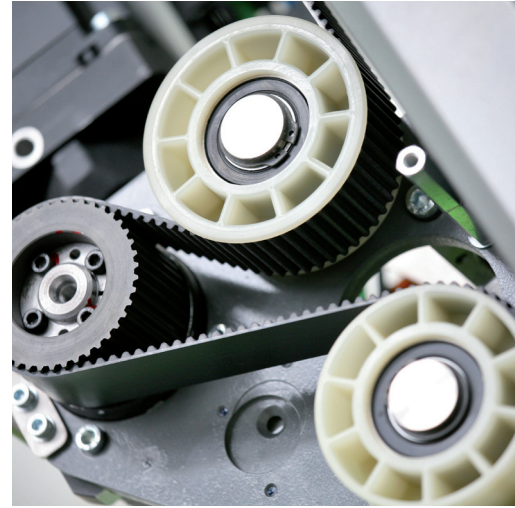
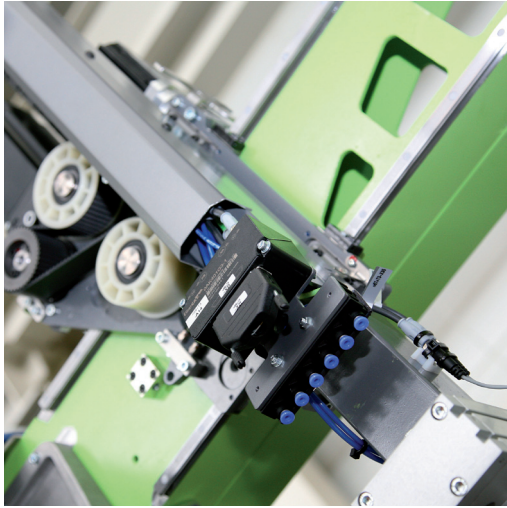


\*robot being replaced must be at least three years old

**Maximum stability. Impressive dynamics. Maximum user-friendliness.** The ENGEL viper series of servo robots includes six models with load-bearing capacities ranging from 13 to 198 lbs, and features optimized acceleration capabilities, maximized operational stability, and customized operator convenience.

For more details on how you can benefit from this program, contact your local ENGEL sales representative or ENGEL direct.

# The ENGEL viper series features:



**Laser-welded steel construction** for weight optimization provides

- exact positioning
- significantly higher working load than comparable handling devices
- space-saving guide arrangement for compact footprint

**Mass identification** automatically detects working load and adapts dynamic values accordingly to

- guarantee fastest movement for each application
- provide overload protection
- increase life span of robot

**Efficiency control** optimizes acceleration and speed values on request

- minimizing robot waiting times
- avoiding unnecessary stress for mechanism and drive train
- reducing energy consumption for up to 25% lower energy costs

**Vibration control** avoids structure-borne vibration and gives

- higher path and positioning accuracy
- significantly shorter take-off times
- freely selectable waiting times in withdrawal position