# Motors and drives for steel mills and smelters

Canonical: https://electricmotors.teco.com.au/industry/steel-mills-smelters/

## Details:

We support steelmaking and smelting operations with motors and controls for demanding production equipment. Heat, changing loads and the required control response need to be considered throughout the selection.

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## Applications and selection priorities

| Application | What we consider |
|---|---|
| Rolling mills | Assess torque, speed control and the operating cycle of the driven equipment. |
| Smelting-area equipment | Define thermal exposure, contamination and the duty of associated motor-driven machinery. |
| Casting and mould handling | Match the motor and control arrangement to movement, load and process requirements. |

## Tailor the mechanical arrangement

Our local modification capability supports projects where standard mounting, shafts or ancillary arrangements do not fit. Share the required interfaces and operating duty. Our Auckland steel-manufacturer case study gives one example of a project-specific motor and brake configuration; it is not a standard specification for every steelmaking application.

## Explore the equipment families

Our industry range brings together the families below. Confirm the exact variant, duty and approvals for your installation; a listing here is not approval for every application. Archived guides are retained for identification and support.

| Product family | Information |
|---|---|
| TECO MAXeV4 IE4 Super Premium Efficiency Electric Motor | Read enriched guide |
| TECO MV510 Medium Voltage | Read enriched guide |
| TECO Wound Rotor | Read enriched guide |
| TECO Squirrel Cage Induction Motor | Read enriched guide |
| TECO MAXe3 MINING Premium Efficiency | Read enriched guide |

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|---|---|
| TECO Te3 Cast Iron 3 Phase | Read enriched guide |

Read our Auckland brake-motor case study .

## Talk to our team

Tell us about your application, equipment and site requirements. Contact our Australia and New Zealand team .