Magnesium thin strip casting

Properties of magnesium alloys
- super-light weight
- high specific strength and e-modulus
- limited formability
- low corrosion resistance

Advantages of thin strip casting
- high cooling rates - fine grain structure
- near net shape
- high productivity – reduced process steps

Process monitoring and modelling
- casting velocity
- cooling rate
- rolling force
- temperature
- grain structure
- texture

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