

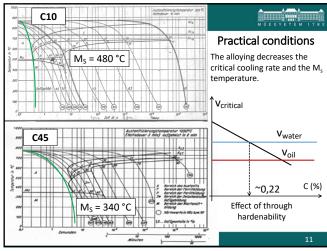


 Importance of quenching: with quenching & tempering (allotropic transformation) the properties can be influenced in wide range.

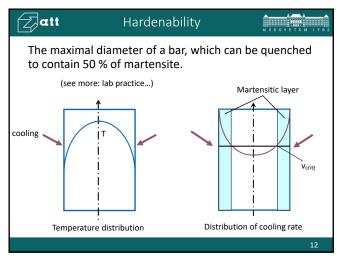
- Conditions
 - Heating to the temperature of $A_3 + \sim 50$ °C
 - Keeping at constant temperature till material is fully austenitized
 - Cooling faster than the critical cooling rate
 - Practical condition: C > 0.2%

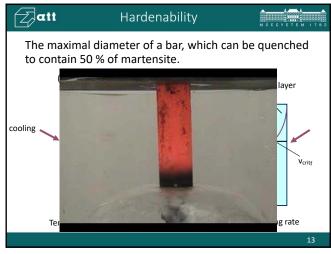
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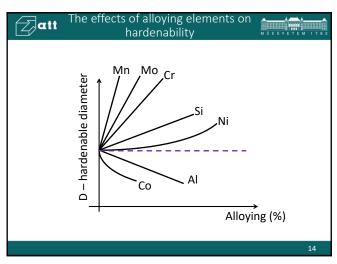
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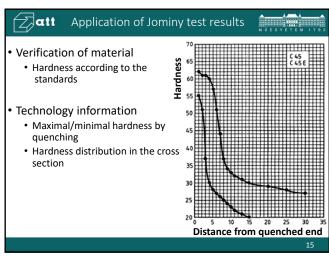


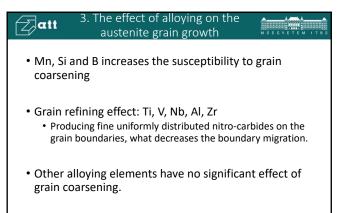
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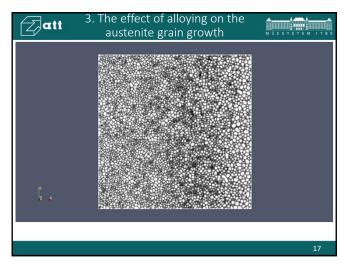


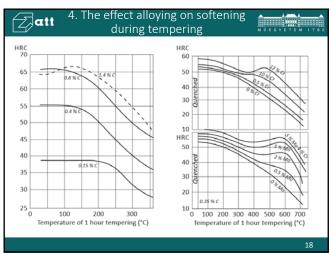


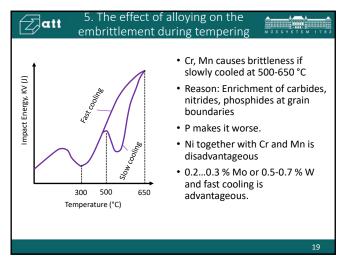


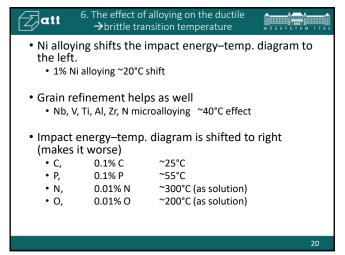


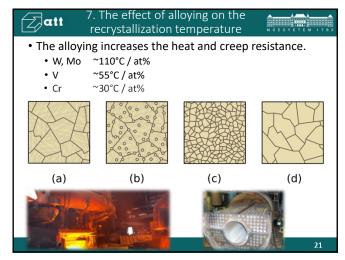












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