



PACKAGING & RECYCLING

29/30 September 2020

Museo Storico Alfa Romeo
Arese (MI)

AMP (Adaptive Motor Power):
The best performance at the lowest TCO



plast



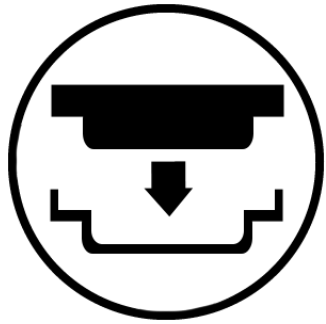
CMG designs and supplies size reduction system solutions to the global markets and provides the broadest range of equipment including granulators and shredders



30,000

UNITS IN OPERATION





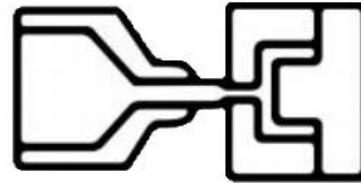
Thermoforming



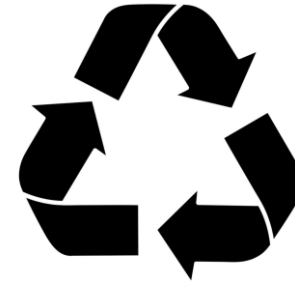
Extrusion



Blow molding



Injection molding



Recycling



Cables

Circular Economy centric Recycling Solutions





Circular Economy: ?





Circular Economy: ?



A circular economy is an economic system aimed at eliminating waste and the continual use of resources





Circular Economy: ?



2013, a report was released entitled:
Towards the Circular Economy: Economic and Business
Rationale for an Accelerated Transition.
...was the first of its kind





Circular Economy: ?



2018, PACE (Platform for Accelerating Circular Economy)
Finance, Politics, Public-Private

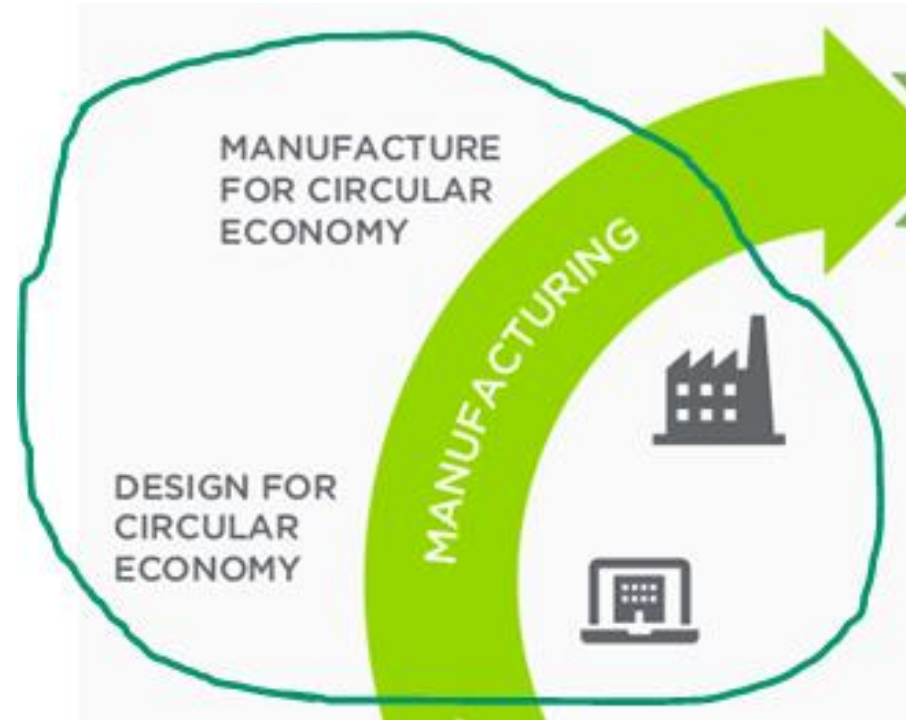


Circular Economy: ?



2018, International Standardization Organization
establishes a Circular Economy Technical Committee
TC232

Circular Economy: ?

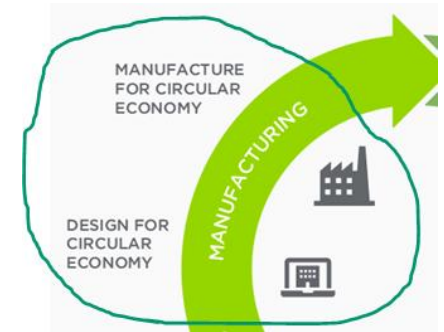


AMP (Adaptive Motor Power):





What is AMP



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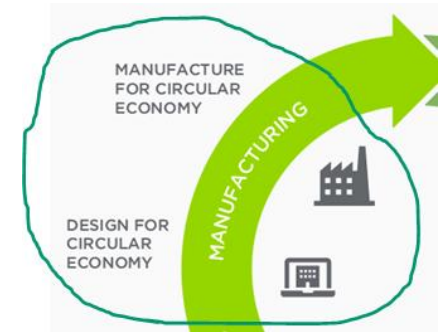


What is AMP





What is AMP



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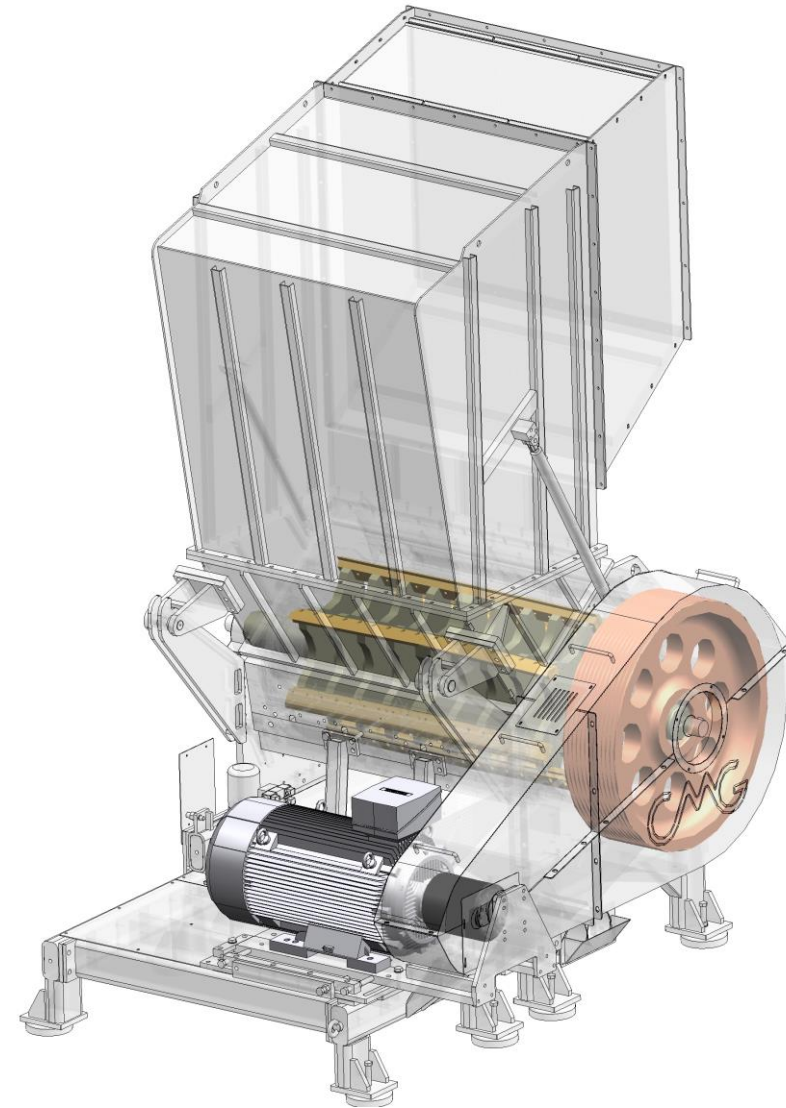


AMP features and performance



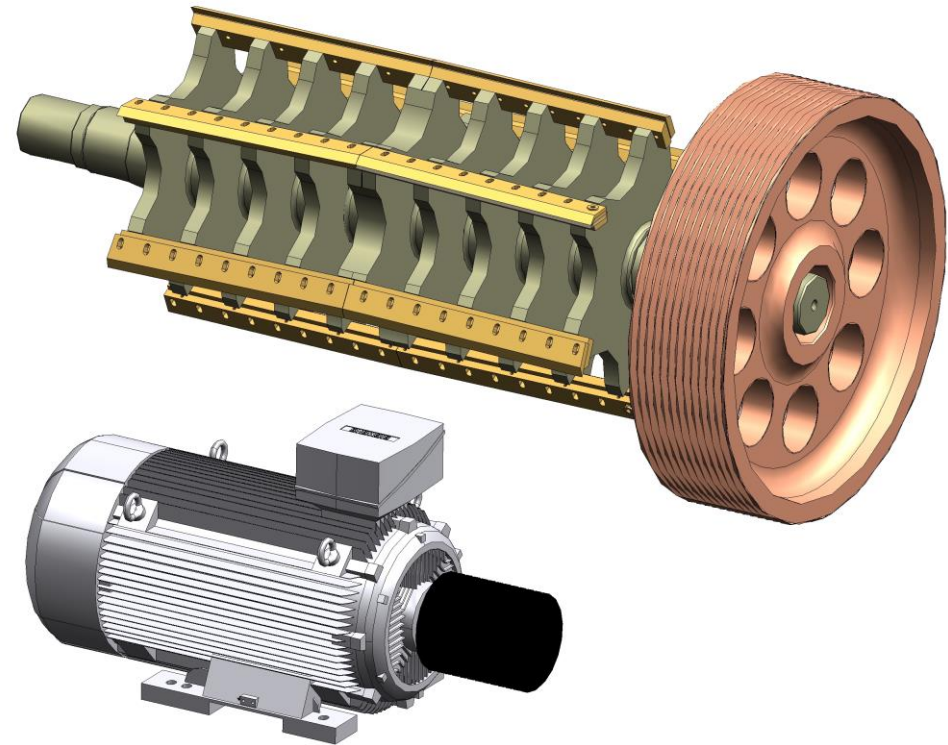
AMP features and performance

Rotor shaft torque control



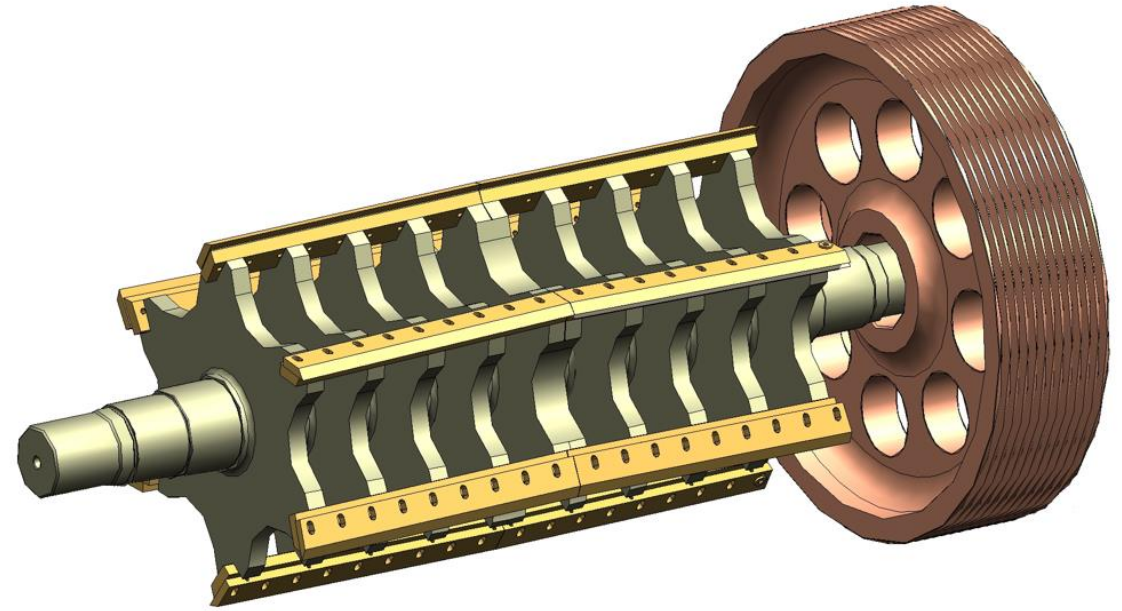
AMP features and performance

Motor power adjustment



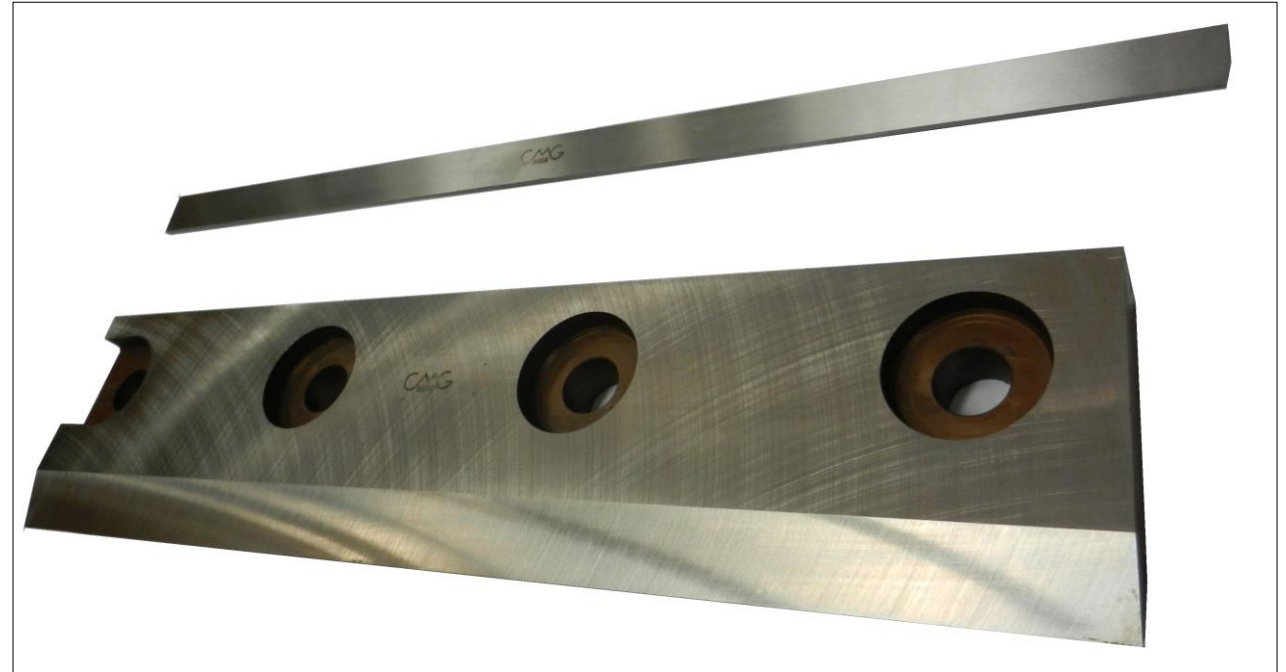
AMP features and performance

Cutting capacity self calibration



AMP features and performance

Optimized knife wearing



AMP features and performance

Enhanced drive transmission

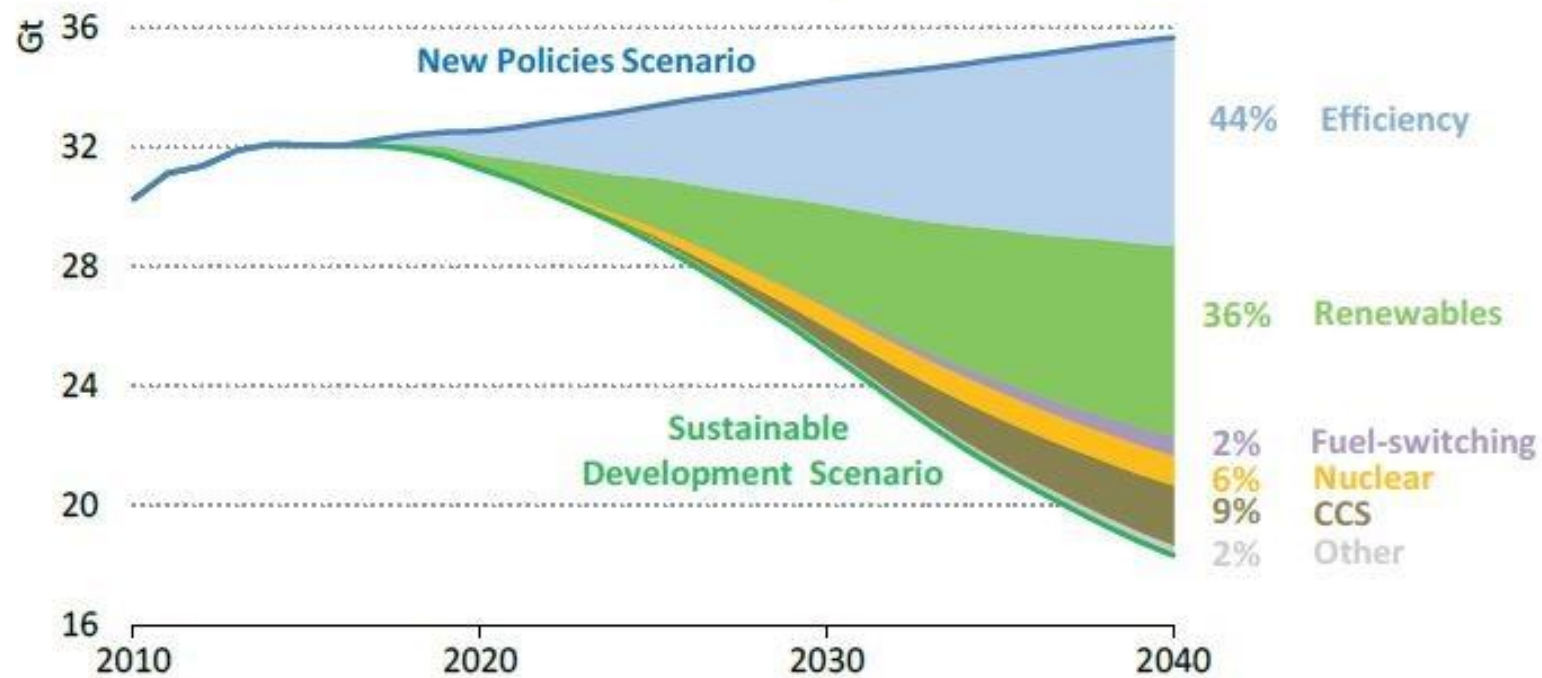


AMP advantages and benefits





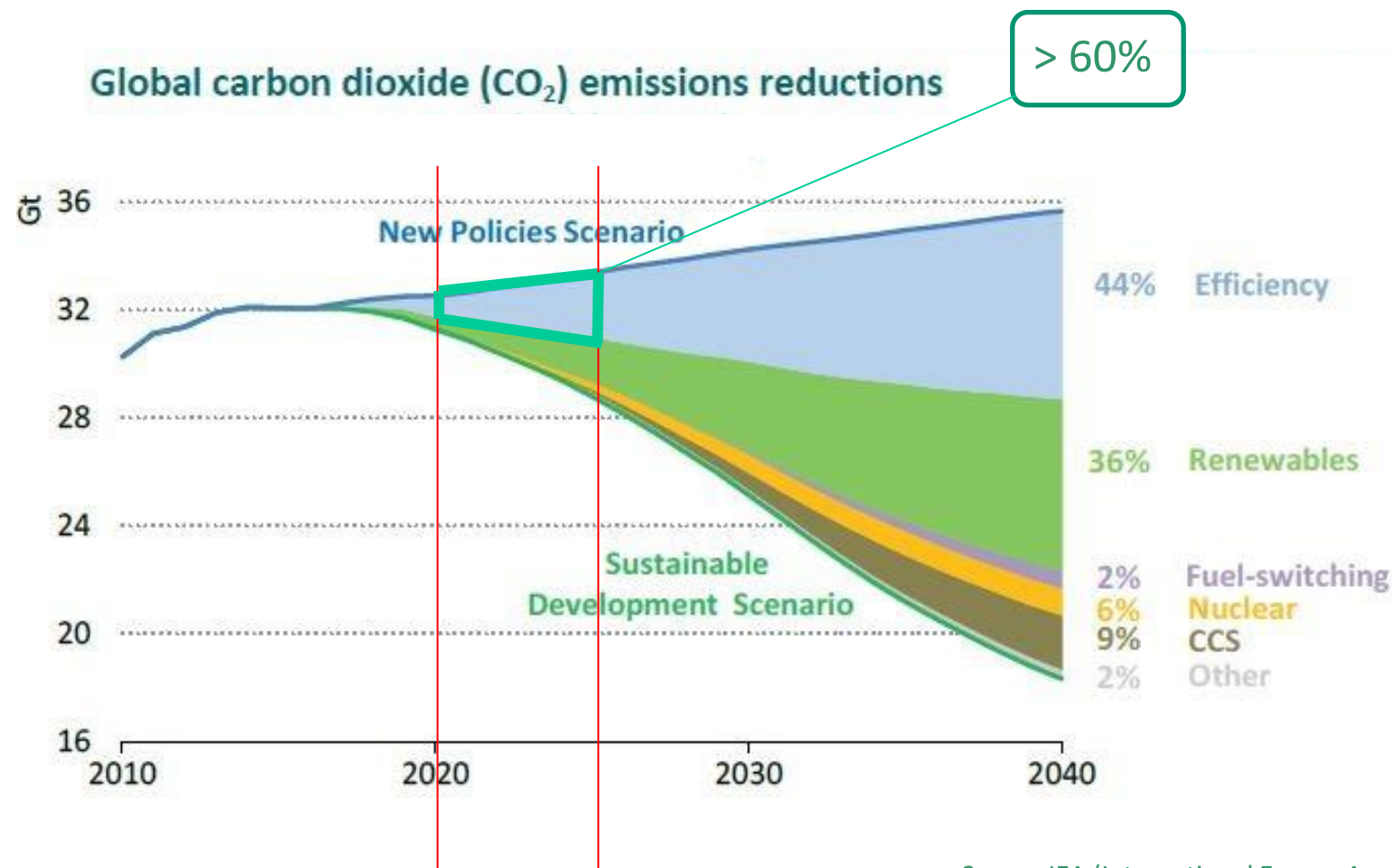
AMP energy savings

Global carbon dioxide (CO₂) emissions reductions

Source IEA (International Energy Agency)



AMP energy savings

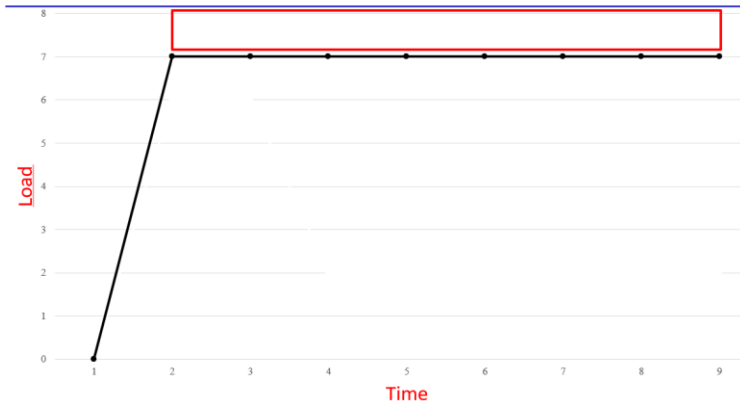


Source IEA (International Energy Agency)

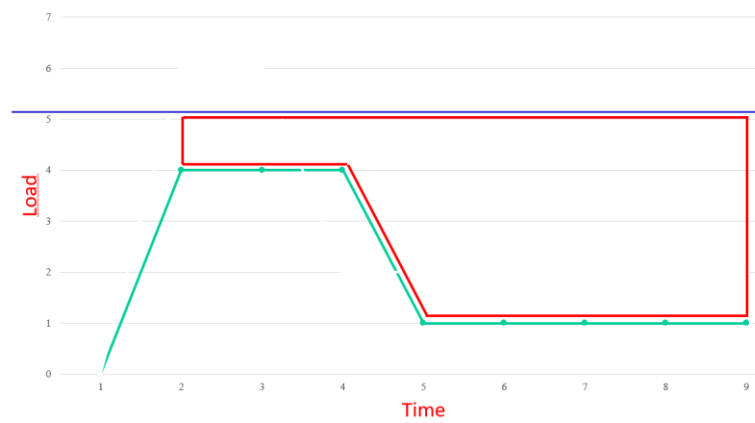


AMP energy savings

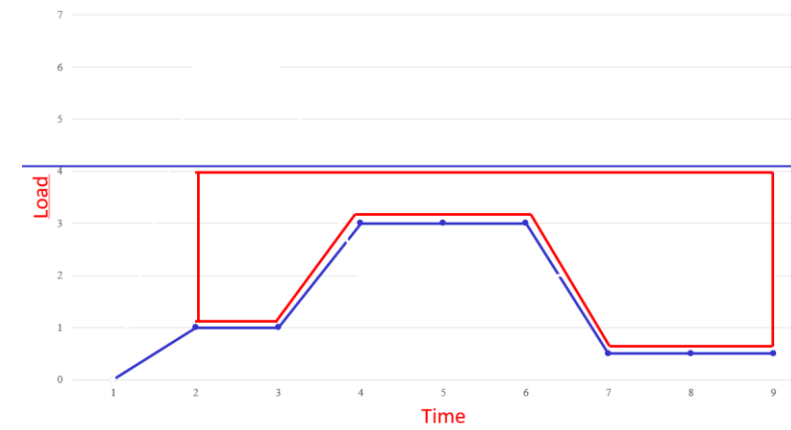
Constant workload



Cyclical workload

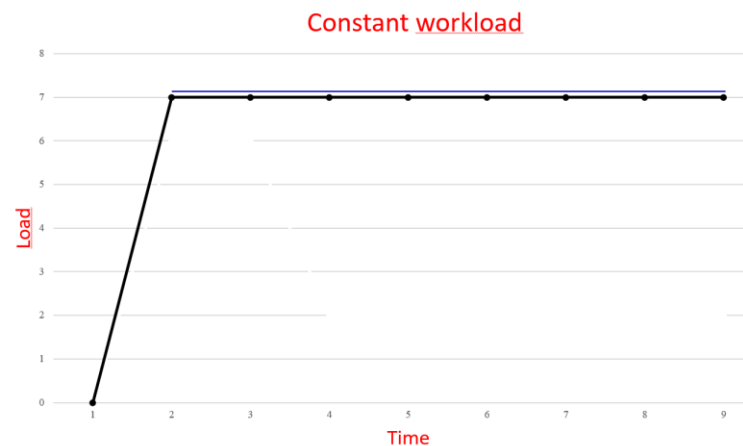


Variable workload

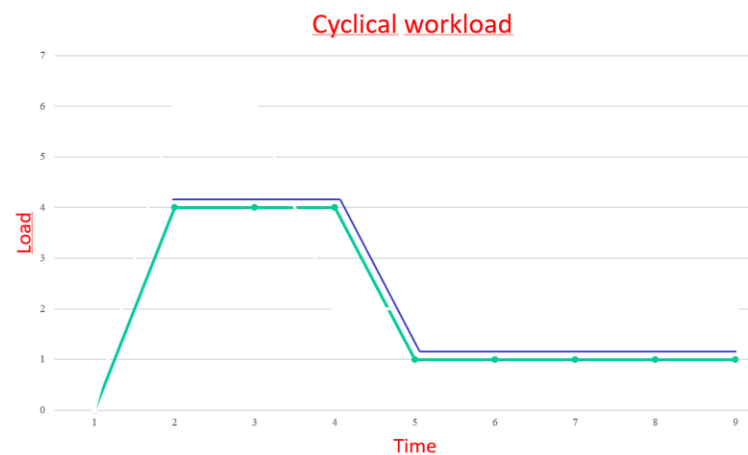




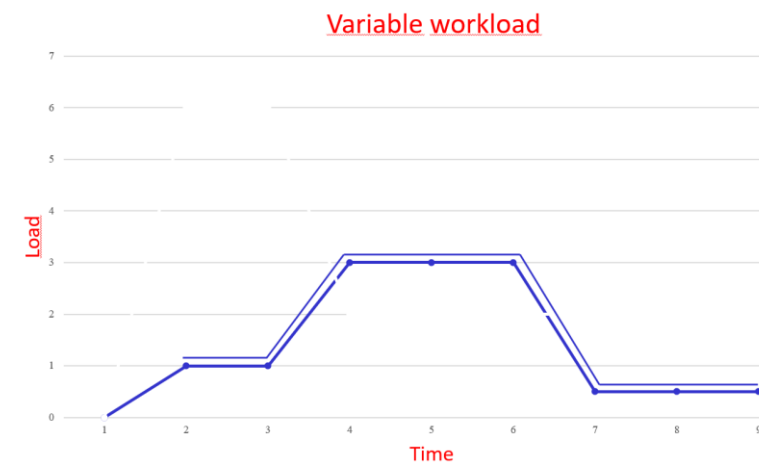
AMP energy savings



Energy saving 10-20%



Energy saving 30-40%



Energy saving 50%



AMP additional benefits

Homogenous regrind dimensions

Little dust generation

Longer blades life

Reduced maintenance

Lowest TCO



Thank you

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