

**MEAF Machines B.V.**

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**ADVANTAGES OF A MEAF H-SERIES SHEET EXTRUSION LINES**

When opting for a MEAF offline sheet extrusion line, there are various benefits vs. Other (Far Eastern) suppliers, such as:

1. Energy consumption reduction **up to 50% compared to ANY COMPETITOR**, resulting in significant savings;
2. Compactly designed, resulting in less production space needed;
3. Produces higher output at lower melt temperatures and RPM (<200 RPM);
4. Short residence time, reduces wear on the material;
5. High ratio of regrind possible;
6. Operated efficiently due to compact build & operator friendly, in-house by MEAF developed, operating system "Extrusol";
7. Adjustable to the Customer's individual requirements and needs when it comes to key components or space requirements.

**EXAMPLES OF ENERGY SAVING FOR PP AND PS SHEET EXTRUSION**Energy saving comparison for H-series sheet extrusion line for PP :

MEAF H-series energy consumption	: 90 – 110 kW (for 500 kg/hr.)
Other manufacturer energy consumption	: 150 – 175 kW (for 500 kg/hr.)
Savings in energy consumption p/hour	: 60 – 65 kW
Savings in energy consumption p/year	: 504.000 – 546.000 kW (at 8400 hrs. p/year)
<b>Savings in energy costs<sup>2</sup> p/year</b>	<b>: € 50.400 – 54.600 p/year!</b>

Energy saving comparison for H-series sheet extrusion line for PS :

MEAF H-series energy consumption	: 135 – 150 kW (for 750 kg/hr.)
Other manufacturer energy consumption	: 225 – 262.5 kW (for 750 kg/hr.)
Savings in energy consumption p/hour	: 90 – 112.5 kW
Savings in energy consumption p/year	: 756.000 – 945.000 kW (at 8400 hrs. p/year)
<b>Savings in energy costs<sup>3</sup> p/year</b>	<b>: € 75.600 – 94.500 (per production line)</b>

MEAF's H-series extrusion lines are marked by low energy consumption, brought forth through a combination of an ingenious screw and barrel design, revolutionised utilisation of heating and cooling in combination with IE2/3/4-class motors<sup>4</sup>, resulting in an energy reduction up to 50%.

An important feature, which sets apart the MEAF H-series from our Western-European competitors energy efficient production lines, are the low RPM's required (<200) and achieving high outputs with high ratios of regrind<sup>5</sup>.

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<sup>2</sup> Energy costs based upon an electricity price of € 0,10 p/kW

<sup>3</sup> Energy costs based upon an electricity price of € 0,10 p/kW

<sup>4</sup> Standard are the IE2 class motors, different classes on request

<sup>5</sup> Outputs are based on raw material, of a stable mix with a (minimum) bulk weight of 0,50 kg/litre