



EXTRUDER MAIN DRIVE 150kW	+	CUTTER COMPACTOR MOTOR 150kW	+	SQUEEZER MAIN DRIVE 132kW	=	CONSUMPTION TOTAL 432kW
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## Dual Function Within One Screw, Powered By Single Motor. Significant Energy Savings

In a conventional setup consisting of separate machines:

Extruder Main Drive : 150 kW

Cutter Compactor Motor: 150 kW

Squeezer Dryer Main Drive : 132 kW

The total system power reaches up to 432kW.

Using the standard power consumption formula:

Power Consumption (kWh) = Power (kW) × Operating Hours (24h X 22days ) × Load Factor (0.8) × Power Factor (0.9)  
 $432\text{kW} \times (24\text{h} \times 22\text{d}) \times 0.8 \times 0.9 = 164,229\text{kWh/month}$

In contrast,

The DWX Series adopts an INTEGRATED SINGLE-MOTOR DRIVE SYSTEM.

Taking the DWX-3512 model as an example.

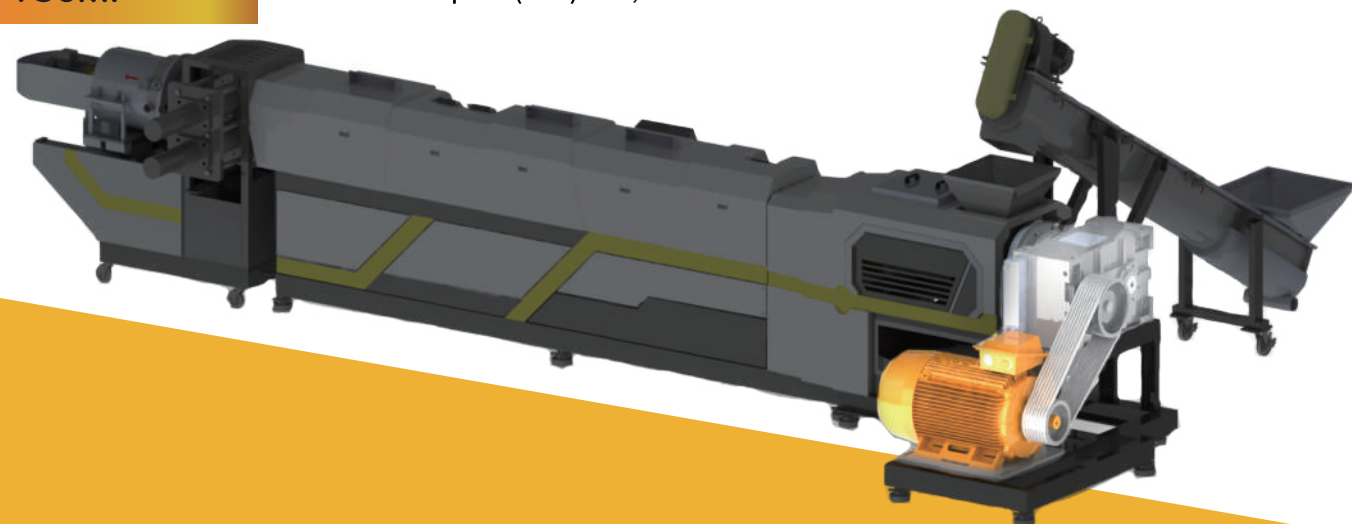
It requires only one 150 kW motor to power both the SQUEEZING and EXTRUSION processes.

$150\text{kW} \times (24\text{h} \times 22\text{d}) \times 0.8 \times 0.9 = 57,024\text{kWh/month}$ .

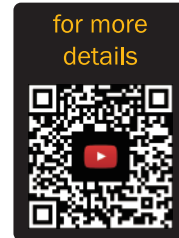
This innovative design significantly reduces energy consumption, achieving an estimated power saving of up to 282 kW. the result shows a monthly energy saving of 107,205 kWh.

**DWX-3512  
SINGLE-MOTOR DRIVE  
150kW**

Power Consumption (kWh) = 57,024kWh/month



## COMPONENTS



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# Squeeze Dryer Integrated Recycling Machine



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Screw Conveyor
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Squeeze Dryer
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Main Extruder
- 4

Vacum System
- 5

Double Degassing
- 6

PLC System
- 7

Filtration System
- 8

Cutting System
- 9

Centrifugal Dryer
- 10

Vibrating Screener



## Dual Function in One Unit

One machine, two functions.  
Streamlines workflow and reduces space, labor, and power needs.

## High Efficiency with Lower Cost

Processes films with over 50% moisture after the washing line.  
Reduces moisture to below 1~3 % for better extrusion performance.

## Optimized for Fluffy Materials

Designed for LDPE / HDPE films, agricultural films, and soft packaging waste.

## Product Specification

Model	Spec.	Main Drive	Screw Diameter	Degassing Vents	Output Capacity
DWX-3815		225kW	Ø380-150mm	double vents	700kg/hr
DWX-3512		132kW	Ø350-125mm	double vents	500kg/hr
DWX-3010		90kW	Ø300-100mm	double vents	300kg/hr

## Advanced SCREW and BARREL design

Engineered for enhanced dewatering performance.  
The advanced screw and barrel system effectively reduces residual moisture content to as low as 1~3%.  
Ensuring consistent and superior pellet quality in downstream pelletizing processes.

PELLETIZED MATERIAL



SQUEEZED MATERIAL



WASHED FILMS MATERIAL

