

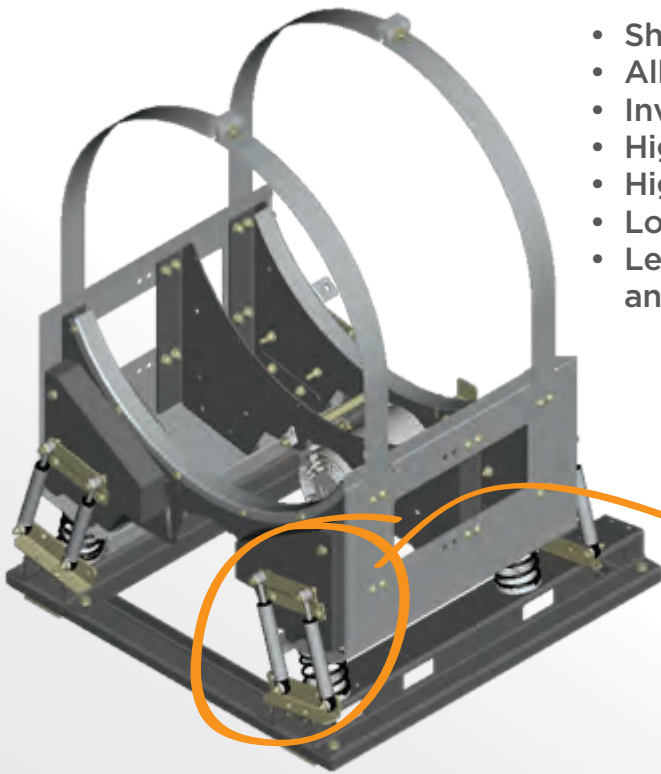


HIGH & MEDIUM  
SPEED WASHERS  
UNDERSTANDING THE DIFFERENCE

**Speed Queen**®

**GIRBAU**

# WHAT IS A HIGH SPEED WASHER? (SOFT MOUNT)



- Shocks and springs absorb dynamic forces
- Allows spin speeds exceeding 350G
- Inverter allows variable speed
- High spin speed allows high G-Force
- High G-Force allows low residual moisture
- Low residual moisture = Less tumble drying
- Less tumble drying = Less energy consumption and longer linen life



SOFT MOUNT MACHINES  
PROVIDE BETWEEN  
280 and 440 G-FORCE

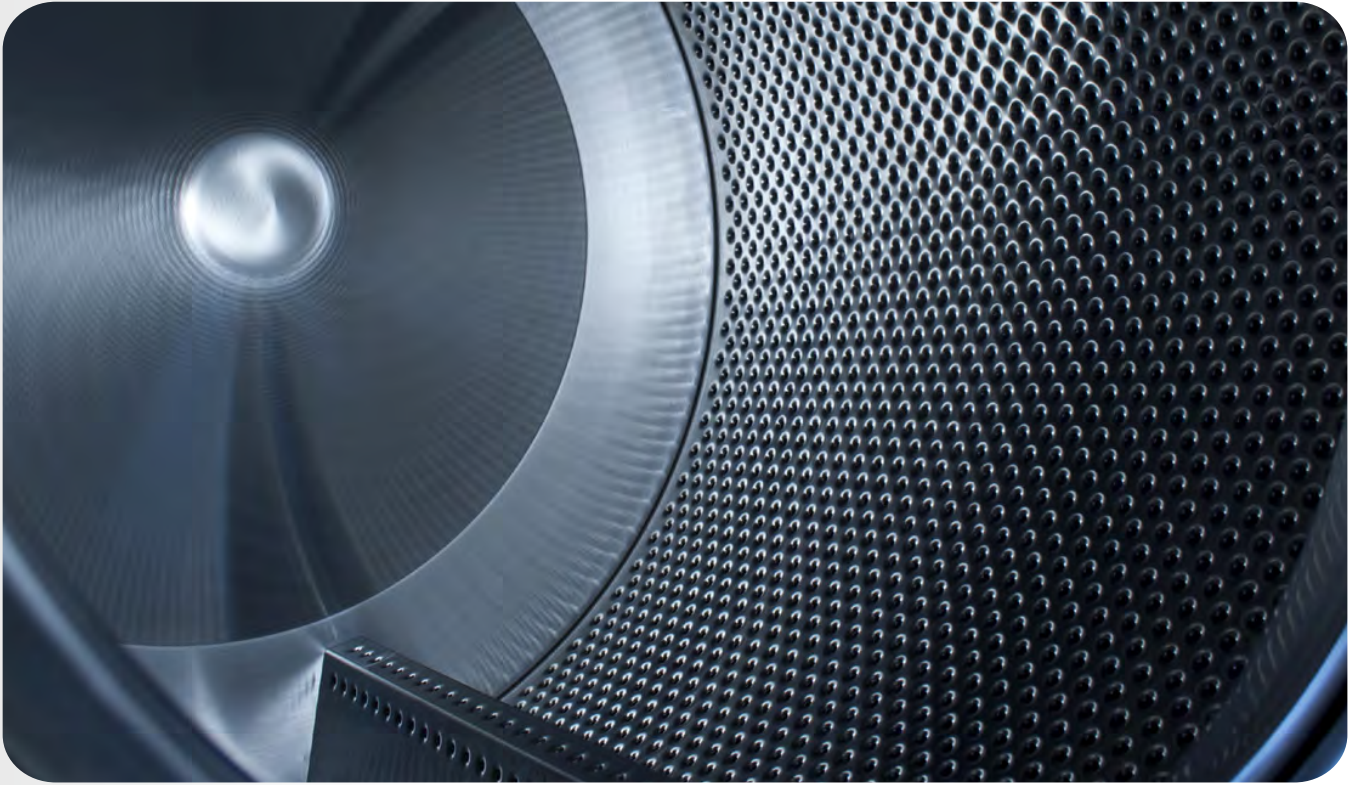


## MORE ADVANCED MICROPROCESSOR

- Allows greater programming flexibility
- Higher memory capacity
- Better wash quality
- Greater Energy / utility economies

## WHEN TO USE SOFT MOUNT MACHINES

- Simpler installation/weak or suspended floors
- Production requires high G-Force
  - More processed in less time
- Greater emphasis on conserving energy
- Higher emphasis on Wash quality / Linen life
- Higher CapEx budget exists



## WHAT IS A MEDIUM SPEED WASHER? (HARD MOUNT)

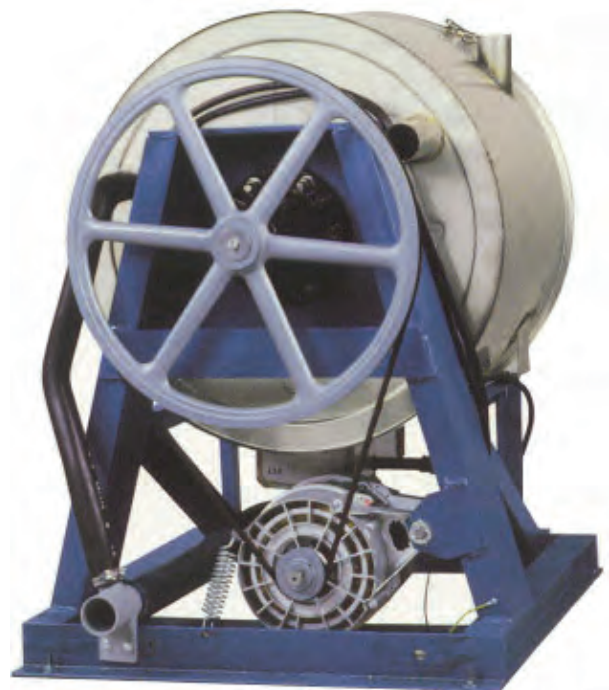


- Heavier / more solid construction methodology
- Dynamic forces transferred to floor
- Lower gravity factor
- Higher residual moisture after spin
- Longer drying time

RIGID MOUNT MACHINES  
PROVIDE BETWEEN  
80 and 200 G-FORCE

### WHEN TO USE HARD MOUNT MACHINES

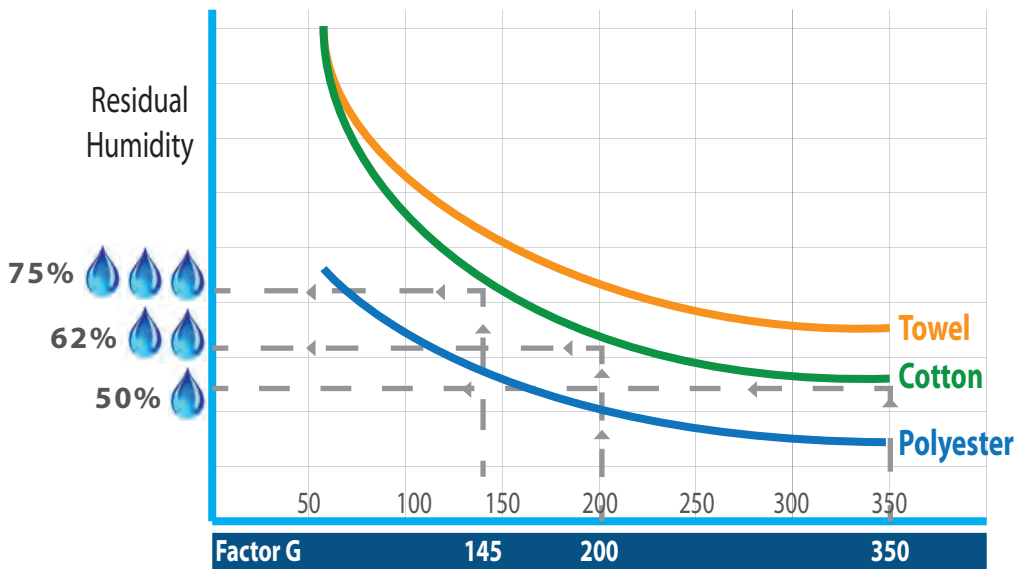
- Require solid ground floor installation
- Production does not require extra high G-Force
- Premium placed on simplicity and longevity
- Customer has “value oriented” CaPex budget
- Less emphasis on utility savings



# HIGH ENERGY EFFICIENCY FOR A BETTER WORLD



## FACTOR, RESIDUAL HUMIDITY & DRY SAVINGS



## IMPORTANT RESIDUAL MOISTURE

IN **kilowatts**

Machine capacity	100G 83	125G 75	200G 62	350G 53 →	%HR
10	9.96	9.00	7.44	6.36	
13	12.95	11.70	9.67	8.27	
17	16.93	15.30	12.65	10.81	
23	22.91	20.70	<b>17.11</b>	<b>14.63</b>	

HIGHER G-FORCE = LOWER KW CONSUMPTION

**14,5%**

# WHAT IS G-FORCE?

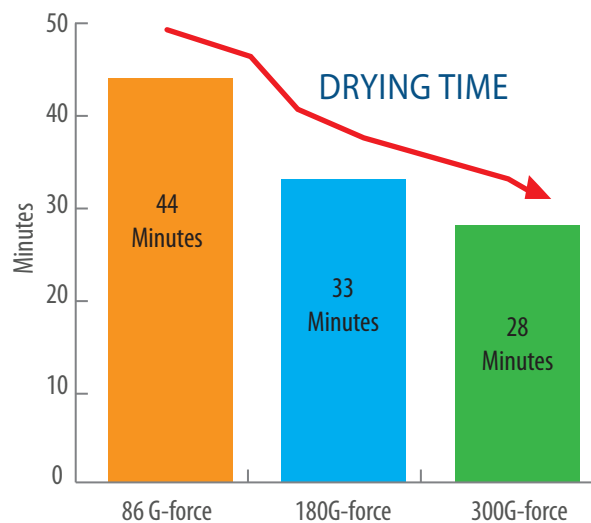
- The force of gravitational acceleration
- As an example, 140 G's is 140 times the pressure of a free falling object towards Earth
- Use G-Force, not RPM, to compare washers with different cylinder sizes and extract speeds

G-FORCE



WATER  
RETENTION

## ILLUSTRATIVE EFFECT ON DRYING TIME



## HIGH SPEED PROCESSING ADVANTAGE



- Flat linen direct to roller
- Plush linen = Less time in drier
- Save energy and time

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