



Tube Filling Machine Selection Checklist

A Practical Guide for Engineers & Buyers

STEP 1: UNDERSTAND YOUR PRODUCT

- Product viscosity (low / medium / high / paste)
- Does it foam during filling?
- Is it heat-sensitive?
- Any particles or granules inside?
- Is viscosity stable over time?

STEP 2: MATCH TUBE TYPE & SIZE

- Tube material: plastic / laminated / aluminum
- Tube diameter range
- Tube length range
- Cap type compatibility
- Sealing strength requirement

STEP 3: CHOOSE THE RIGHT FILLING SYSTEM

- Piston filling → high viscosity (cream, paste)
- Pump filling → liquid / gel products
- Anti-drip or suck-back needed?
- CIP cleaning required?

STEP 4: DEFINE YOUR PRODUCTION NEEDS

- Output requirement (tubes/min)
- Semi-auto or fully automatic?
- Future expansion needed?
- Operator availability

STEP 5: SELECT PROPER SEALING TECHNOLOGY

- Hot air sealing → plastic / laminated tubes
- Ultrasonic sealing → clean & low heat impact
- Folding/crimping → aluminum tubes

STEP 6: CHECK YOUR FACILITY CONDITIONS

- Power supply (voltage / phase)
- Air pressure availability
- Installation space
- Line integration
- Cleanroom / GMP needs



**STEP 7:
THINK BEYOND PURCHASE**

- Easy cleaning design
- Quick changeover
- Spare parts availability
- Operator training needed

QUICK MATCHING TABLE

Product Type	Filling System	Tube Type	Key Focus
Cream / Ointment	Piston	Plastic / Laminate	Avoid air, stable viscosity
Gel	Pump/Piston	Plastic	Foam control
Toothpaste	Piston	Plastic / Aluminum	Strong sealing
Liquid / Lotion	Pump	Plastic	Anti-drip
Pharma products	Precision piston	Aluminum / Laminate	Hygiene & accuracy

Disclaimer

This checklist is based on general industrial practices.

Final machine configuration should be confirmed through actual product testing.

- **WeChat / WhatsApp:**
- +86 13587552772 (Charles)
- +86 13625873008 (Alisa)

Sales Email:
charles@kxite.com
alisa@kxite.com