



Trustworthy Tailift Equipment

台勵福股份有限公司

www.tailiftgroup.com
E-mail: insales@tailift.com.tw

台灣總廠：台中市大雅區神林路一段269號
No.269, Sec. 1, Shenlin Rd., Daya Dist., Taichung City 428, Taiwan (R.O.C.)
Tel: +886-4-25666100
Fax: +886-4-25671670

成功廠：南投市南崗工業區成功三路170號
No.170, Cheng Kung 3rd Rd., Nan-Kang, Nantou 540, Taiwan (R.O.C.)
Tel: +886-49-2254300
Fax: +886-49-2254302

台在機械設備(青島)有限公司
台勵福機械設備(青島)有限公司青島分山分公司
公司地址：江蘇省昆山市玉山鎮興發路6號
Tel: +86-0512-50126322
Fax: +86-0512-50126324
Mob: +86-13917382308

東莞台在機械設備有限公司
台勵福機械設備(青島)有限公司東莞銷售公司
公司地址：東莞常平鎮橋梓道長科技園
Tel: 0769-83219654
Fax: 0769-83236993
Mob: +86-185-66141431



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Tailift

Tailift®
台勵福集團

台灣製造
自動化製茶專用機

Taiwanese Green Tea

Tea Production Equipment



ISO 9001:2008

www.tailiftgroup.com



製茶流程 專業技術團隊提供完整的 技術支援

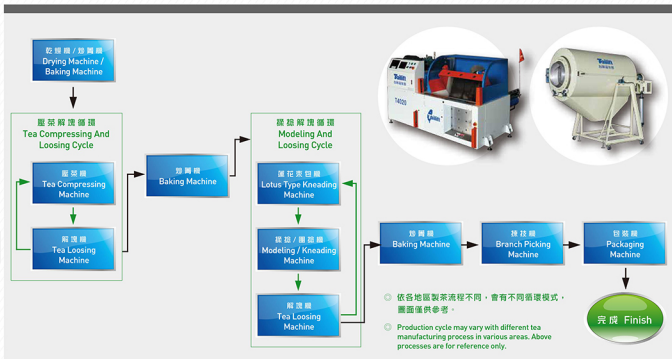
台勤福專業的製茶技術團隊，揉合傳統製茶技術與新新的設備設計理念，不斷鑽研製茶技術，致力於提升製茶設備性能與茶葉品質。

讓傳統的製茶技術，邁入更現代化的製程。

Tea Manufacturing Process Expertise engineering team provides *Comprehensive Technical Support*

At Tailift, we have a highly experienced tea-production technical team who combine the traditional tea-making techniques with the advanced equipment design concepts. With an aim to upgrade the performance of tea production equipment and tea quality, we are dedicated to constantly research tea-making technology.

Our objective is to bring the traditional tea-making technique into a modern process.



台勵福 自動化 製茶生產線

製茶界的最佳投資選擇

台勵福所規畫、打造的自動化製茶生產線，其設計理念在於凸顯高效率、高產能、自動化。在當今爭劇烈的企業環境，擁有高效率的生產設備，是取得競爭優勢的基礎，台勵福製茶生產線是製茶業界提升競爭力與創造利潤的最佳投資選擇。

直結式自動化製茶設備

DIRECT-DRIVE AUTOMATED TEA MAKING EQUIPMENT

單機控制面板，可供不同模式設定及快速選擇
Single Machine Control Panels Allow for various modes setting and quick selection.

茶葉輸送帶
Conveyor Belt for Tea-Leaves

輸送帶控制面板 (可調速)
Conveyor Belt Control Panel
(Speed Adjustable)

壓茶機將茶磚直接送入解塊機
The compressing machine directly feeds brick tea into the losing machine.

Tailift® Automated Tea Production Line The Best Choice of Investment in Tea Making

Planned and built by Tailift, the automated tea production line is designed to enhance its exceptionally high efficiency, high throughput and automation. In today's competitive business operation environment, high efficiency production equipment is the foundation of competitive edge. Tailift tea production line is just the best choice for the tea-making industry to upgrade competition-capability and create more profits.

自動化總控制面板
Automated Production
Control Panel

茶車上昇機構
Tea Cart Lifting Mechanism

新一代 T4020 / TD4020

茶葉壓縮揉捻機 高產能的極致展現

台動福再度推出新一代茶葉壓縮揉捻機 **TD4020**，具有高速壓茶速度。相較於傳統製茶方式，本機壓茶速度快約1.5小時。且具有更佳的茶葉外觀與品質。

機器特性：

- 本機內部裝分採用不鏽鋼板製成，安全衛生；密封度約±0.5mm，精密度高，茶葉損耗率低，茶葉外觀、品質比傳統作法較佳。
- 內容積大60Kg (100台斤)。
- 機台動作單次循環時間約56秒 (需持壓3秒、保壓3秒)。
- 主壓缸加大 (d180)、面壓提升33.5kgf/cm²，此優點可讓茶葉成形較快、壓力較均勻。
- 使用機械式檔板開關取代電子式接近開關，避免山區電源的不穩定性，造成機台誤動作。
- 動力單元冷卻系統：傳統式用水冷卻系統 (水會洩漏滲入油風機)，台動福用風冷式 (無風機)。
- 使用預設介面參數之人機介面控制，能預設8組參數設定 (壓力值)，操作方便。

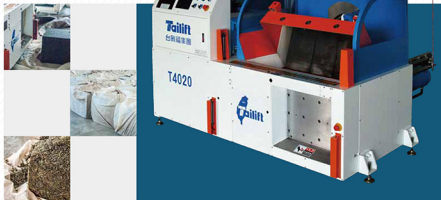
A NEW Generation of T4020 / TD4020

TEA COMPRESSING AND MODELING MACHINE The Ultimate in Productivity

Tailift **TD4020**, a new generation of tea compressing and modeling machine that exhibits extremely high speed in tea compressing. Compared with the traditional tea making methods, this machine provides 1.5 hours faster operation and better tea-leaf appearance and quality as well.

Features of Machine :

- The machine interior is manufactured from stainless steel for safety and sanitation, and features approximately ±0.5mm tightness, high precision and minimum tea leaves loss. Better tea-leaf appearance and quality than conventional tea-making process.
- Great capacity is of up to 60kg (100 Taiwan catty).
- Single cycle time is about 56 seconds (pressure retention 3 sec.; pressure keeping 3 sec.)
- Extra large main cylinder (d180) combined with increased surface pressure of 33.5 kgf/cm² result in faster tea-leaves forming and more uniform pressure.
- The use of mechanical limit switches to replace electronic proximity sensors prevents erroneous motions due to unstable power source in the mountain area.
- Eliminating the use of a conventional water cooling system for the power unit (a risk of water penetrating into oil), Tailift machine employs air cooling system (risk free).
- Equipped with a human-machine interfacing controller, allowing for presetting parameters up to 8 sets (pressure values) for increased convenience in machine operation.



人機介面控制面板 簡易操控 自動化作業

T4020 搭載精妙規畫的人機介面控制，提供自動化的茶葉壓縮揉捻作業，除了大幅提升效率，更節省人力生產成本。

Human-Machine Interfacing Control Panel Easy To Operate! Automated Operation!

Tailift T4020 is equipped with a specially planned human-machine interfacing control, enabling tea compressing and modeling to be operated automatically. This dramatically upgrades efficiency while saving labor and production costs.

自動作業模式 壓縮揉捻快速完成

操作者只需丟入茶葉，整體動作從茶葉壓縮揉捻推出，均為自動化作業。台動福T4020茶葉壓縮揉捻機，更展現省時、省人力、高產能特色。

Automatic Operation Mode. Compressing and Modeling Fast Accomplished

The entire operational sequences from tea leaves compressing and modeling to tea leaves push-out are automatically operated. What the operator needs to do is simply throwing tea leaves into the machine. Tailift T4020 Tea Compressing and Modeling Machine will exhibit its extraordinary time saving, labor saving and high throughput features.

Tailift®

T6012 / T6014 / TD6014

茶葉解塊機

結構簡化、大容量

Tea Loosing Machine

Simplified Construction !

Large Capacity !



機器特性 / Features of Machine :

- 本機圓筒部分可選用不鏽鋼板製成，安全衛生。
- 內桶裡面加裝細密孔洞，可篩出茶末、茶渣，使用輕巧方便。
- 內桶裡面加焊多組支架，可迅速均勻解散壓製或揉捻後的茶球，功效高。
- 內桶前面加裝環形撥棒，可防止解塊機轉動解塊時，茶葉掉出解塊機內桶前面。(專利申請中)
- 本機前面與壓桶揉捻機面直接結合，可節省人工及搬運時間，提高效率。
- 本機傳動部分採用V型皮帶及渦輪減速機搭配鏈輪傳動，安裝與維護方便確實。
- 以四顆乙炔龍支撐圓筒，減少圓筒轉動噪音。
- 採用變頻器無段調速，適合不同速度需求。
- 使用電子計時器計算滾筒上落時間。
- Stainless steel drum is available to meet sanitary requirement.
- The internal drum is drilled with numerous fine holes to screen out tea dusts for added convenience.
- The internal drum is welded with various sets of brackets, allowing for fast and uniform losing of pressed or modeled tea balls.
- With the additional circular shifting rod at the front side of the internal drum, tea leaves falling out of the internal drum can be avoided while the machine performs losing operation (patent pending).
- The front side of the machine is directly connected to the tea compressing and modeling machine so as to save manual handling time while upgrading efficiency.
- The transmission system is designed with V-belt, worm gear reducer in combination with sprocket wheel, making it convenient to install and maintain.
- Four pieces of polyethylene parts supporting the drum may effectively reduce rotating noise of the drum.
- Equipped with a frequency inverter allowing variable speed change to meet the requirement of different speeds.
- An electronic timer is utilized to count the drum lifting time.

強力驅動

- 圓筒旋轉採用強力馬達配合減速機驅動，解塊力道強勁，效率提升。

Powerful Drive

- Drum rotation is driven by a powerful motor in combination with a gear reducer, providing great force for tea leaves losing and increasing efficiency.

操作面板

- 可設定圓筒運轉時間。
- 圓筒轉速可由調速鈕調整。

Operation Panel

- Allows for setting the drum running time.
- Drum running speed can be adjusted by a speed regulation knob.

變頻控制 無段變速

- 圓筒旋轉經由變頻器控制，可作無段變速調整。

Variable Speed Controlled by Frequency Inverter

- Drum rotation is controlled through a frequency inverter that provides variable speed change.

高效率解塊

- 大、小茶葉塊均可一次解塊完成，效率高，產能提升。

High Efficiency Tea Leaves Loosing

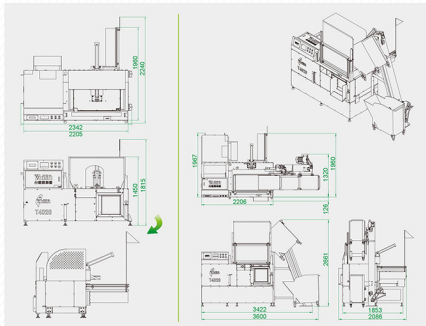
- Big and small mass of tea leaves are loosened at a time to achieve high efficiency and increased throughput.



T4020 / TD4020

機器尺寸圖 / Machine Dimensions

單位 Unit: mm



Specifications

項目 / 機型 MODEL	UNIT	T4020	TD4020
動作循環週期 (空跑) Motion cycle (without tea-leaves)	sec.	48	
投入口尺寸 Inlet port size	mm	990 x 480	
內槽構尺寸 Volume size	mm	990 x 600 x 400h	
出口尺寸 Outlet port size (WxLxH)	mm	480 x 420	
最大出力 Max. output force of main cylinder	ton	50	
散熱方式 Heat dissipation method	-	風冷 (選配) / 水冷 (選配) Air cooled (std.) / Water cooled (opt.)	
操作介面 Operation interface	-	7 吋彩色人機介面 7" colorful HMI interface	
壓力控制段數 Pressure control steps	-	8	
操作電壓 Voltage	Volt.	200	220
工作壓力 (Max.) Working pressure (Max.)	bar	210	200
油壓容量 Tank capacity	Liter	160	
機台重量 Machine weight	kg	3140	
佔地面積 (長x寬x高) Machine size (LxWxH)	mm	2400 x 2150 x 1660	

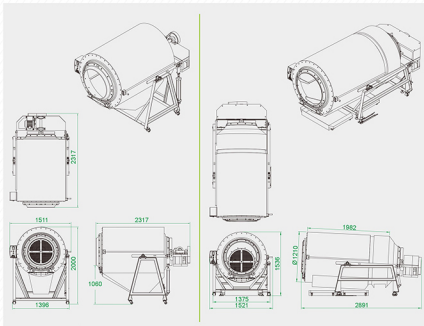
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T6012 / T6014 / TD6014

機器尺寸圖 / Machine Dimensions

單位 Unit: mm



Specifications

項目 / 機型 MODEL	UNIT	T6012	T6014	TD6014
投入口直徑 Diameter of inlet port	mm	Ø 420	Ø 650	Ø 720
內槽直徑 Diameter of internal drum	mm	Ø 850	Ø 1,080	Ø 1,080
外槽直徑 Diameter of external drum	mm	Ø 1,000	Ø 1,210	Ø 1,210
最大操作容積 Max. working capacity	cm³	100,000	115,000	115,000
操作電壓 Voltage	Volt.	220	220	220
機台重量 Machine weight	kg	510	660	800
裝箱重量 Gross weight	kg	830	1,040	1,200
機械尺寸 (長x寬x高) Machine dimensions (LxWxH)	cm	232 x 130 x 190	232 x 152 x 200	289 x 152 x 154
裝箱尺寸 (長x寬x高) Packing dimensions (LxWxH)	cm	246 x 149 x 220	246 x 167 x 238	303 x 167 x 192

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