



KTC-65 / KTC-85

High Speed Carbide Sawing Machine
with CNC - control



- Environment Dry & Clean at cut-off
- Mass cutting requirement
- Extraordinary Cutting Capability

Material : AISI 1045, DIN CK45, JIS S45C

Round Bar \varnothing 85mm / 3.35 in = 16 (sec)
 \varnothing 65mm / 2.56 in = 11 (sec)
 \varnothing 50mm / 1.97 in = 9 (sec)
 \varnothing 30mm / 1.18 in = 4 (sec)

Specifications

Cut-off Capacity	KTC-65	KTC-85
Round bar ●	8 ~ 65 mm / 0.314 ~ 2.559 in	10 ~ 85 mm / 0.393 ~ 3.346 in
Square bar ■	8 ~ 56 mm / 0.314 ~ 2.204 in	10 ~ 70 mm / 0.393 ~ 2.755 in
Round tube ○	8 ~ 62 mm / 0.314 ~ 2.440 in	10 ~ 85 mm / 0.393 ~ 3.346 in
Square tube □	8 ~ 53 mm / 0.314 ~ 2.086 in	10 ~ 70 mm / 0.393 ~ 2.755 in

Saw Head & Spindle	KTC-65	KTC-85
TCT Carbide tipped sawblade type	\varnothing 250 x 2.0 t / \varnothing 280 x 2.0 t mm	\varnothing 315 x 2.25 t mm
HSS High-speed steel sawblade type	\varnothing 250 ~ \varnothing 275 / 2.0 t ~ 2.5 t mm	\varnothing 315 x 2.0 t ~ 3.0 t mm
Sawblade rotation speed	18 ~ 200 rpm	12 ~ 180rpm
Chip removal	Steel brush disc	

Motor	KTC-65	KTC-85
Spindle driving motor	7.5kw (10Hp) / 4p	
AC Servo motor (GFC)	1kw	
AC Servo motor (Saw Head)	2kw	
Hydraulic pump motor	2.25kw (3Hp) / 4p	
Coolant pump motor	0.19kw / 2p	

Hydraulic Device	KTC-65	KTC-85
Work driving pressure	70 kg/cm ² (7 MPa)	
Tank capacity	90 liters / 23.78 gallons	

Pneumatic Device	KTC-65	KTC-85
Work operating pressure	4 ~ 6 kg/cm ² (55 ~ 85 psi)	

Machine Dimension & Weight	KTC-65	KTC-85
Dimension (L x W x H)	6565 x 1772 x 1735 mm / 21.54 x 5.81 x 5.69 ft	
Weight	2500 Kgs / 5500 lbs	2700 Kgs / 5940 lbs

* The specifications subject to change without prior notice.

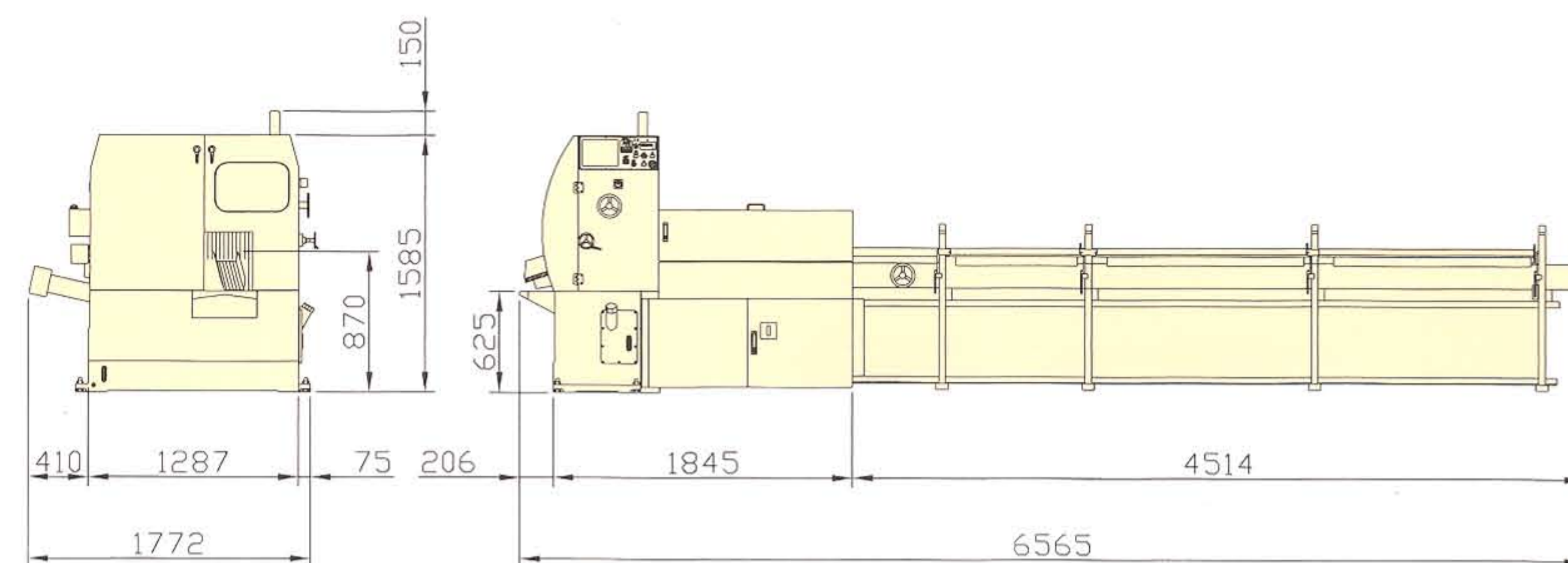
Standard Accessories

- Auto-loading magazine (Excluding protection cover)
- Auto lubricating device
- Material separator
- Auger-type chip conveyor
- Mist cooling & lubricating device
- Coolant pump device
- Heat exchanger of electrical cabinet
- Halogen working lamp

Optional Accessories

- AC Servo device (Saw Head)
- Belt-type chip conveyor
- Bundle magazine
- Unloading device (For long length workpiece)
- "CE" Conformity

Layout Drawing Unit : mm

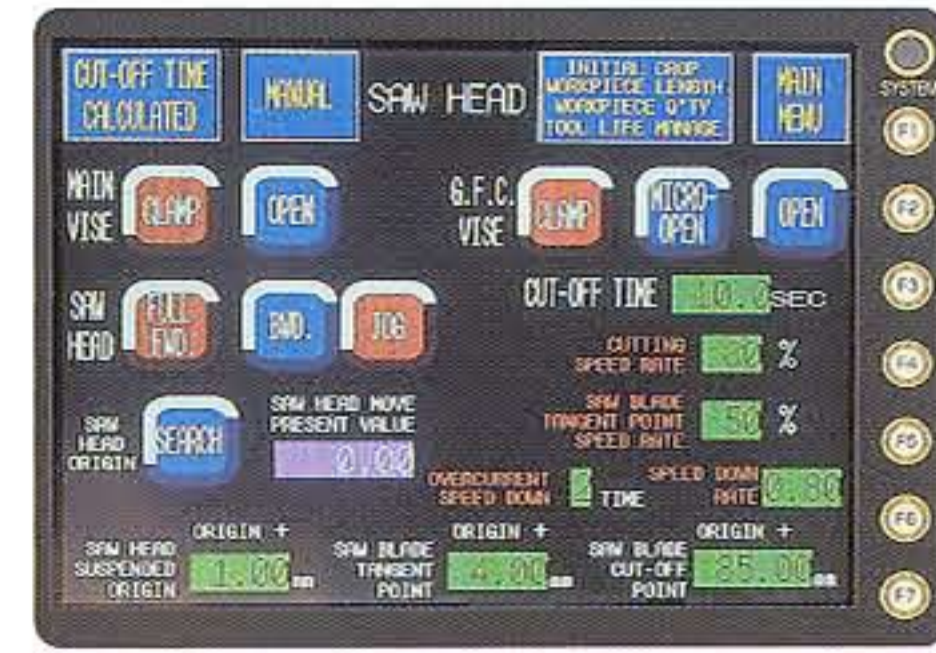


Kentai KENTAI MACHINERY CO., LTD.
 No. 175, Datong 1st St., Wurih, 41449 Taichung, Taiwan
 Tel: 886-4-2338 8968 Fax: 886-4-2338 8768
 e-mail: info@kentai.com.tw
 http://www.kentai.com.tw

CNC Controlled with PLC Modular Unit

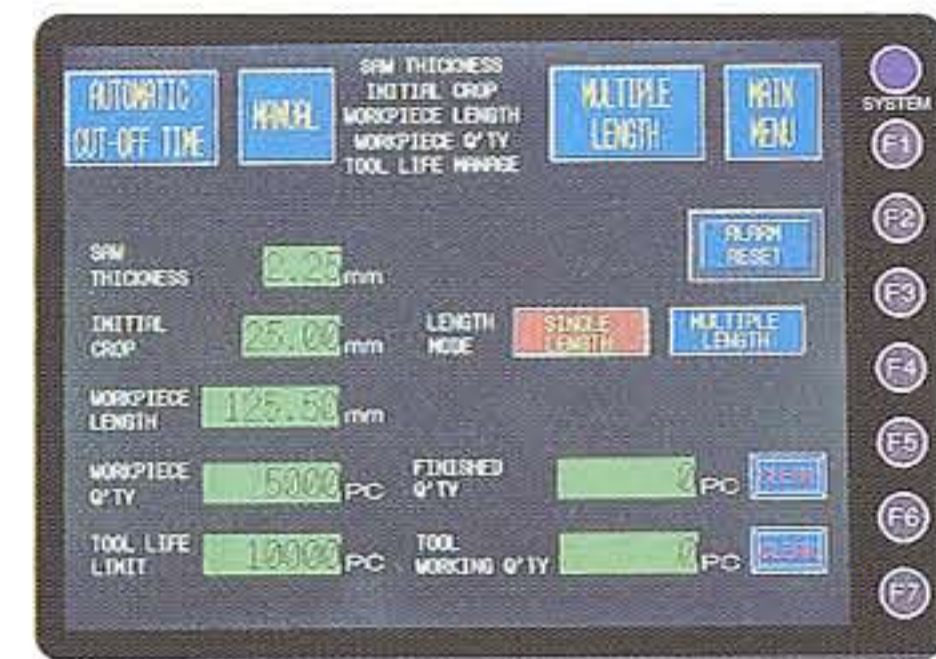


POD (Programmable Operation Display)
-7.7" color high-resolution Touch Sensing Screen



Servo Feed Saw Head

- Accurate, smooth and low vibration during cutting.
- Allow reducing speed at Tangent point before the saw cut into the bar.
- Overcurrent speed down function.



Length & Qt'y

- Length setting is controlled with Servo-Positioned unit
- Saw blade thickness by inputting
- Target quantity by inputting
- Tool life management



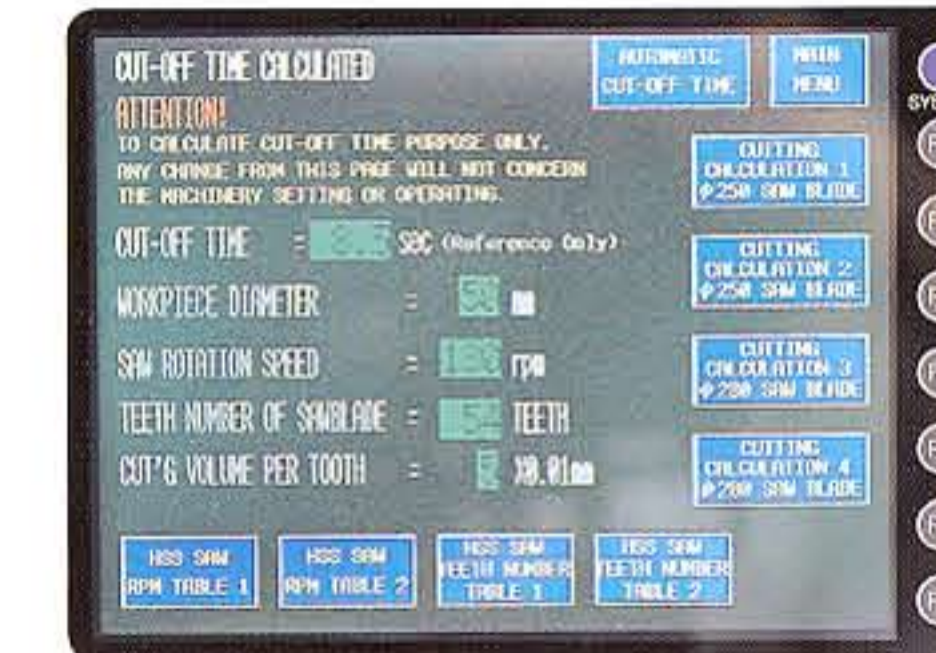
Real Time Monitoring

- Cut-off time detecting
- Workpiece quantity display
- Tool currently cut-off quantity display



Alarm Message Display

- Error auto detecting function
- Self diagnosis function
- Troubleshooting instruction



Cut-off Time Calculated

- System included the varied cutting data by touch on paging button



Multiple Length

- No cost losing by long rest piece



Servo Feed Saw Head
(Optional device)



Bundle Loader
(Optional device)

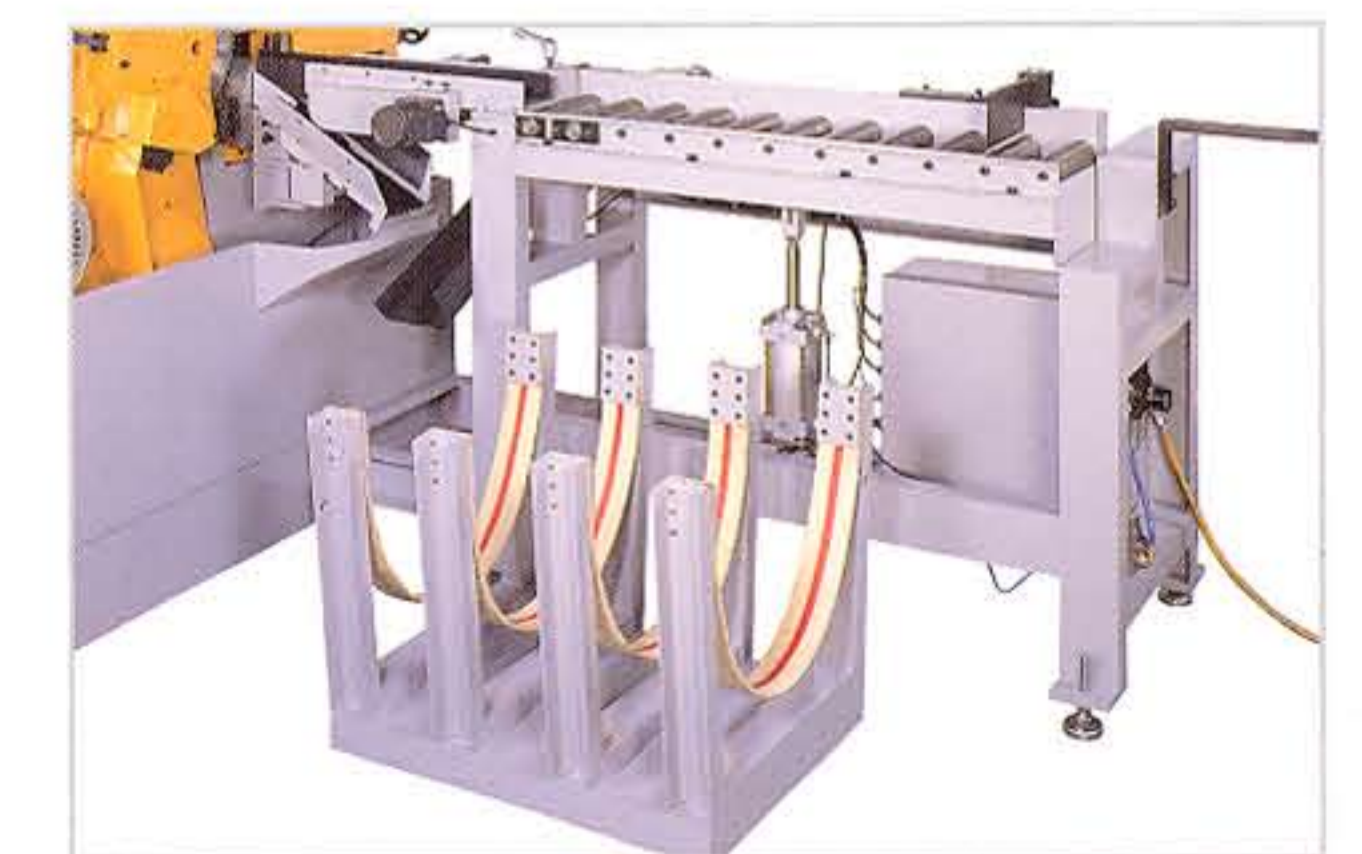


GFC (Gripper Feed Carriage) System

GFC driving : AC Servo motor & C5 grade Ball-Screw
 GFC speed : 20 m/min / 66 ft/min
 Section length : Once 4 ~ 510 mm / 0.157 ~ 20.078 in (KTC-65)
 : Once 4 ~ 800 mm / 0.157 ~ 31.496 in (KTC-85)
 : Multiple 9999 mm / 393.661 in (Both)
 Trim cut length : 8 ~ 99 mm / 0.314 ~ 3.897 in
 Rest piece length : Minimal 55 mm / 2.165 in (KTC-65)
 : Minimal 57 mm / 2.244 in (KTC-85)



Auto-Loading Magazine
 (Including the Sq. & hex. bar skidding-add device)
 Capacity of bar length : 2 ~ 6 mm / 6.56 ~ 20 ft
 Pre-loading width : 980 mm / 38.581 in
 Pre-loading weight : 3600 kgs / 7920 lbs
 (at static load)



Unloading Device
(Optional device)