



HAIMER®
Quality Wins.



M A S T E R C A T A L O G

HAIMER®

BALANCING TECHNOLOGY



HAIMER.



Balancing
Technology

HAIMER
G 2.5 25000
A63.144.25.3
Ø 25 x 130
A 6

Tool Dynamic TD 1002: For minimalists

Runout Measuring device
for TD 1002 on page 641



Picture shows TD1002 with runout measuring device (optional)

TOOL DYNAMIC TD 1002 BASIC BALANCING SYSTEM












Balancing machine for balancing tools, tool holders and grinding wheels in 1 or 2 planes (optional).

- Force measuring table top machine
- Ideal for smaller shops
- For small batch lots, single application, standard chucks and grinding wheel packages
- Adapter with automatic clamping system

Features:

- Menu-based handling – via integrated user interface and display
- Safety hood with automatic door lock
- Special high precision spindle bearings

Characteristics

	Vibration optimized base	Adapted table for optimized base
	User interface	Integrated user interface for easy handling of the machine
	Optical indexing help 80.204.00	Indication of the exact spindle angle position on display
	Laser marking	Indicates the position of unbalance and correction with a laser
	Radial drilling	Balancing by drilling radially
	Software for compensation with balancing rings	Balancing by rings or other movable weights
	Index balancing	Compensation of measuring errors by index balancing (2 measuring runs, indexing angle 180°)
	Balancing with spindle compensation	Quick and precise measurement of repetition parts (single measuring run)
	Balancing in 1 plane	Measuring and correction of unbalance in 1 plane (static)
	Deutsch/English/Français/ Italiano/Español	Languages for user interface
	Accessories and special equipment	Please check the table on pages 622–625

Technical details

Tool Dynamic TD 1002

Dimensions l x h x d [mm/inch]	500x680x820 / 20x27x32	Power usage [kW]	0.4
Weight [kg/lbs]	200/441	Compressed air [bar/psi]	6/87
Spindle Speed [rpm]	600–1100	Max. tool length [mm/inch]	360/14.2
Measuring accuracy	< 1.0 gmm	Max. tool-Ø [mm/inch]	340/13.4
Power requirements [V/Hz]	230/50–60	Max. tool weight [kg/lbs]	15/33
(comes with 110V transformer)		Order No.	80.250.00.3.US

Tool Dynamic TD Economic: For beginners












TOOL DYNAMIC TD ECONOMIC MODULAR BALANCING SYSTEM







Your introduction into the modular balancing system Tool Dynamic TD. The Tool Dynamic TD Economic measures and corrects the unbalance in one plane (static).

Therefore the TD Economic is perfect for balancing short tool holders and tools because of the couple unbalance being very low. Easy handling with integrated keyboard and screen.

The following characteristics are identical to Tool Dynamic TD 1002:

Characteristics					
	User interface		Radial drilling		Balancing with spindle compensation
	Optical indexing help 80.204.00		Software for compensation with balancing rings		Balancing in 1 plane
	Laser marking		Index balancing		Deutsch/English/Français/ Italiano/Español

The following characteristics are included standard for Tool Dynamic TD Economic:

Characteristics		
	Base made of polymer concrete	Heavy base ensures the highest measuring accuracy
	Fixed components 80.202.00	Enables balancing at predefined positions (e.g. with balancing screws)
	Automatic indexing 80.217.00	Turns the spindle on the selected angle position and simplifies exact positioning of spindle
	Rack for accessories 80.227.00	Storage rack with two integrated drawers for balancing adapters and other accessories
	Balancing Software TD 4.0 80.245.06	New software with user-friendly graphical interface and touchscreen control
	Accessories and special equipment	Please check the table on pages 622–625

Technical details			
Tool Dynamic TD Economic			
Dimensions l x h x d [mm/inch]	500x1500x820 / 20x59x32	Compressed air [bar/psi]	6/87
Weight [kg/lbs]	450/990	Max. tool length [mm/inch]	400/15.7
Spindle speed [rpm]	300–1100	Optional [mm/inch]	700/27.6
Measuring accuracy [gmm]	< 0.5	Max. tool diameter [mm/inch]	380/14.96
Power requirements [V/Hz]	230/50–60	Optional [mm/inch]	425/16.73
Power usage [kW]	0.4	Max. tool weight [kg/lbs]	30/66
		Order No.	80.220.00.09.3.US

Tool Dynamic TD Economic Plus: For advanced users



TOOL DYNAMIC TD ECONOMIC PLUS MODULAR BALANCING SYSTEM



The TD Economic Plus is perfect for measuring unbalance in two planes (dynamic). Long tools must be balanced in two planes to correct the couple or dynamic unbalance. Accessories can be clearly arranged in the built-in drawers.

Work quickly and error free with laser marking, optical indexing help and automatic indexing of the spindle. The “fixed components” allow you to balance with screws on rotors with threaded bores.

The following characteristics are identical to Tool Dynamic TD Economic:

Characteristics					
	Base made of polymer concrete		Radial drilling		Balancing in 1 plane
	User interface		Fixed components 80.202.00		Automatic indexing 80.217.00
	Optical indexing help 80.204.00		Software for compensation with balancing rings		Rack for accessories 80.227.00
	Laser marking		Index balancing		Balancing Software TD 4.0 80.245.06
			Balancing with spindle compensation		Deutsch/English/Français/ Italiano/Español

The following characteristics are included standard for Tool Dynamic TD Economic Plus:

Characteristics		
	Balancing in 2 planes 80.252.01	Measuring and correction of unbalance in 2 planes (dynamic unbalance)
	Accessories and special equipment	Please check the table on pages 622–625

Technical details			
Tool Dynamic TD Economic Plus			
Dimensions l x h x d [mm/inch]	500x1500x820 / 20x59x32	Compressed air [bar/psi]	6/87
Weight [kg/lbs]	450/990	Max. tool length [mm/inch]	400/15.7
Spindle speed [rpm]	300–1100	Optional [mm/inch]	700/27.6
Measuring accuracy [gmm]	< 0.5	Max. tool diameter [mm/inch]	380/14.96
Power requirements [V/Hz]	230/50–60	Optional [mm/inch]	425/16.73
Power usage [kW]	0.4	Max. tool weight [kg/lbs]	30/66
		Order No.	80.222.00.09.3.US

Tool Dynamic TD Comfort: For ambitious users


















TOOL DYNAMIC TD COMFORT MODULAR BALANCING SYSTEM







If you want to use the Tool Dynamic frequently and keep the balancing time as short as possible, the TD Comfort is the right choice. It is equipped with a PC, keyboard, mouse and monitor. The big screen enables you to input tool data faster with all the comfort of a graphical user interface – you just balance faster!

In addition, the software in this machine offers unbalance correction through milling, which is a very common method to correct the imbalance.

The following characteristics are identical to Tool Dynamic TD Economic Plus:

Characteristics					
	Base made of polymer concrete		Software for compensation with balancing rings		Fixed components 80.202.00
	User interface		Index balancing		Automatic indexing 80.217.00
	Optical indexing help 80.204.00		Balancing with spindle compensation		Rack for accessories 80.227.00
	Laser marking		Balancing in 1 plane		Balancing Software TD 4.0 80.245.06
	Radial drilling		Balancing in 2 planes 80.252.01		Deutsch/English/Français/ Italiano/Español

The following characteristics are included standard for Tool Dynamic TD Comfort:

Characteristics	
	Print label Print balancing results on label
	Milling program 80.212.00 Milling program allows correction of unbalance via milling
	User account administration 80.245.12 User administration with individual allocation of user rights
	Screen holder 80.228.03.3 Comfortable tray to place PC screen and keyboard
	TFT screen 80.229.02 Comfortable usage via keyboard for integrated PC (includes TFT screen, keyboard and mouse)
	Accessories and special equipment Please check the table on pages 622–625

Technical details

Tool Dynamic TD Comfort

Dimensions l x h x d [mm/inch]	1100x1500x820 / 43x59x32	Compressed air [bar/psi]	6/87
Weight [kg/lbs]	450/990	Max. tool length [mm/inch]	400/15.7
Spindle speed [rpm]	300–1100	Optional [mm/inch]	700/27.6
Measuring accuracy [gmm]	< 0.5	Max. tool diameter [mm/inch]	380/14.96
Power requirements [V/Hz]	230/50–60	Optional [mm/inch]	425/16.73
Power usage [kW]	0.4	Max. tool weight [kg/lbs]	30/66
		Order No.	80.224.00.09.3.US

Tool Dynamic TD Comfort Plus: For perfectionists



Picture shows special equipment: Safety hood type 3 for tools with length up to 700 mm (see optional configurations on p. 624)

TOOL DYNAMIC TD COMFORT PLUS MODULAR BALANCING SYSTEM



The Tool Dynamic TD Comfort Plus offers maximum usability and comfort. By using the TD Comfort Plus, you will never lose sight of your goal during the balancing process.
Would you like to balance your tools efficiently, quickly and without being an expert?

Then choose Tool Dynamic TD Comfort Plus – optimized touchscreen usage, integrated PC, comfortable storage for your balancing accessories and maximum equipment to make balancing fast, convenient and easy.

The following characteristics are identical to Tool Dynamic TD Comfort:

Characteristics					
	Base made of polymer concrete		Software for compensation with balancing rings		Automatic indexing 80.217.00
	User interface		Index balancing		Rack for accessories 80.227.00
	Optical indexing help 80.204.00		Balancing with spindle compensation		Milling program 80.212.00
	Laser marking		Balancing in 1 plane		Balancing Software TD 4.0 80.245.06
	Print label		Balancing in 2 planes 80.252.01		User account administration 80.245.12
	Radial drilling		Fixed components 80.202.00		Deutsch/English/Français/ Italiano/Español

The following characteristics are included standard for Tool Dynamic TD Comfort Plus:

Characteristics		
	Control terminal incl. touchscreen 80.233.00.4	Control terminal for storage of touchscreen, keyboard, mouse, printer, and further accessories (only together with Balancing Software TD 4.0)
	Accessories and special equipment	Please check the table on pages 622–625

Technical details			
Tool Dynamic TD Comfort Plus			
Dimensions l x h x d [mm/inch]	1100x1500x820 / 43x59x32	Compressed air [bar/psi]	6/87
Weight [kg/lbs]	450/990	Max. tool length [mm/inch]	400/15.7
Spindle speed [rpm]	300–1100	Optional [mm/inch]	700/27.6
Measuring accuracy [gmm]	< 0.5	Max. tool diameter [mm/inch]	380/14.96
Power requirements [V/Hz]	230/50–60	Optional [mm/inch]	425/16.73
Power usage [kW]	0.4	Max. tool weight [kg/lbs]	30/66
		Order No.	80.226.00.09.3.US

Tool Dynamic TD Comfort Plus i4.0: Industry 4.0 balancing machine for maximum process reliability in production.













Picture shows special equipment: Tool Control with accessories (see optional configurations on p. 624)






TOOL DYNAMIC TD COMFORT PLUS i4.0 MODULAR BALANCING SYSTEM

The new Tool Dynamic TD Comfort Plus i4.0 offers a maximum of usability and comfort. Highlights are the possibility of digital data transfer to the machine, network compatibilities (i4.0 ready) and an optimized 27" multi-touchscreen usage via separate control terminal, integrated PC, comfortable storages for your balancing accessories and a maximum of equipment make balancing fast, convenient and very easy.

The following characteristics are identical to Tool Dynamic TD Comfort Plus:

Characteristics					
	Base made of polymer concrete		Software for compensation with balancing rings		Automatic indexing 80.217.00
	User interface		Index balancing		Rack for accessories 80.227.00
	Optical indexing help 80.204.00		Balancing with spindle compensation		Milling program 80.212.00
	Laser marking		Balancing in 1 plane		Balancing Software TD 4.0 80.245.06
	Print label		Balancing in 2 planes 80.252.01		User account administration 80.245.12
	Radial drilling		Fixed components 80.202.00		Deutsch/English/Français/ Italiano/Español

The following characteristics are included standard for Tool Dynamic TD Comfort Plus i4.0:

Characteristics		
	Control terminal i4.0 incl. touchscreen 80.233.09	High quality 27" touchscreen with hardened glass surface for easiest control. Control terminal with drawer for balancing adapter and tools and storing facility for printers
	i4.0 ready	Digital data transfer to machine via LAN or USB, optional data transfer with Balluff chip and DAC connectivity
	Software via 27" multi-touchscreen	Software via 27" multi-touchscreen or mouse & keyboard for maximum usability
	Windows 10	Software based on operation system Windows 10
	Accessories and special equipment	Please check the table on pages 622–625

Technical details

Tool Dynamic TD Comfort Plus i4.0

Dimensions l x h x d [mm/inch]	1100x1500x820 / 43x59x32	Compressed air [bar/psi]	6/87
Weight [kg/lbs]	544/1,197	Max. tool length [mm/inch]	400/15.7
Spindle speed [rpm]	300–1100	Optional [mm/inch]	700/27.6
Measuring accuracy [gmm]	< 0.5	Max. tool diameter [mm/inch]	380/14.96
Power requirements [V/Hz]	230/50–60	Optional [mm/inch]	425/16.73
Power usage [kW]	0.4	Max. tool weight [kg/lbs]	30/66
		Order No.	80.226.04.09.3.US