

<b>Feature</b>	<b>AMICUS Start</b>	<b>AMICUS Expert</b>	<b>AMICUS Prime</b>
<b>Controller</b>	Wired Control Panel	Wired Control Panel	Android Tablet (supplied) with app pre-installed. Can install app on any Android or iOS device.
<b>Tablet</b>	N/A	N/A	8" screen, 2.0GB RAM, & 1000mAh battery.
<b>Memory Capacity</b>	None	Save up to 99 drills, from 1 to 7 shots each.	Virtually unlimited. 32Gb included. Can be extended with Micro SD (TF) card.
<b>OS</b>	N/A	N/A	Android 11
<b>Languages</b>	N/A	N/A	English, French, German, & Hungarian
<b>Tablet Charging</b>	N/A	N/A	Tablet Cable from robot or plug directly into power outlet.
<b>Wireless (RF) Remote</b>	Yes (optional). Has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot.	Yes (supplied). Has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot.	Yes (supplied). Has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot.
<b>Controller-Robot Connection</b>	Thin, light cable with 3.5mm jacks.	Thin, light cable with 3.5mm jacks.	Bluetooth (wireless)
<b>Programmable</b>	Up to 6 shots. Position only can be changed. Spin, speed, and height remain same.	Up to 7 shots. Adjust speed, spin type, spin amount, height, and position for each shot.	Up to 10 shots. Adjust speed, spin type, spin amount, height, timing, & position of each shot.
<b>Sampling Button</b>	No (but available on optional remote)	Yes (also on remote)	Yes (also on remote)
<b>Factory Drills</b>	None	21, can be modified or replaced.	21, can be modified or deleted.
<b>Restore Factory Drills?</b>	N/A	Yes	Yes, will not delete custom drills.
<b>Drill Backup</b>	N/A	N/A	Yes
<b>Drill Sequencing (aka, Grouping)</b>	No	No	Yes (Sequences), limited to 10 drills.

<b>Feature</b>	<b>AMICUS Start</b>	<b>AMICUS Expert</b>	<b>AMICUS Prime</b>
<b>Sequence Options</b>	None	None	Use Cycle for all drills in a sequence or use unique cycle for each drill. Randomize the drills in a sequence.
<b>Drill Videos</b>	No	No	Yes, for factory drills.
<b>Drill Ordering</b>	No	Numerical only. Each drill identified with a number.	Any way user wants. Give drills custom names or change order.
<b>Drill Search</b>	N/A	N/A	Yes, any text in drill title.
<b>Drill Description</b>	N/A	N/A	Yes—can add description, purpose of drill tips, etc.
<b>Drill Diagrams</b>	N/A	N/A	Top & side view diagrams show ball order, speed, spin type, spin amount, placement, & trajectory of each ball in 1 glance
<b>Drill List</b>	N/A	N/A	Shows 7 drills at a time
<b>On The Fly Ball Adjustment</b>	N/A	N/A	Yes—after drill starts, speed, spin, & trajectory can be adjusted for all balls as drill is running.
<b>Delete Ball</b>	Yes, button press	Yes, button press	Popup submenu
<b>Copy Ball</b>	Yes, automatically copies current ball when creating new ball	Yes, automatically copies current ball when creating new ball	Popup submenu or by adding a new ball (copies selected ball).
<b>Change Ball Order</b>	N/A	N/A	Popup submenu—has commands to change ball order
<b>Shot Types</b>	Counter, fast loop, push, chop, lob, serve, dead block, flat kill, smash.	Counter, fast loop, push, chop, lob, serve, dead block, flat kill, smash.	Counter, fast loop, slow loop, push, chop, lob, serve, dead block, flat kill, smash, heavy chop, heavy serve.
<b>Mirror Function</b>	No	No	Yes—makes drills run correctly for right or left handed players, or quickly creates new drill variation.

Feature	AMICUS Start	AMICUS Expert	AMICUS Prime
Serve Delay	No	No	Yes—adds short delay before drill that starts with a serve to simulate pause at start of point in a real game.
Serve Number & Order	None	None	1, 2, or 3—if 2 or 3, robot alternates serves to start each drill repetition; if Type Random is on, robot randomizes the serves
Random Settings	Yes, 3 types— <i>Scatter</i> , which scatters shots within a 20 cm radius of a selected point; <i>Place</i> , which randomly delivers a shot to 2 or more selected points; and <i>Scatter+Place</i> , which combines these two random modes.	Yes, 3 types— <i>Scatter</i> , which scatters shots within a 20 cm radius of a selected point; <i>Place</i> , which randomly delivers a shot to 2 or more selected points; and <i>Scatter+Place</i> , which combines these two random modes.	Yes, 8 types— <i>Scatter</i> , to scatter shots within a 20 cm radius; <i>Place</i> , to randomly deliver a shot to 2 or more selected spots; and <i>Type</i> , to randomize the order of balls. You can combine modes: <i>Scatter+Place</i> , <i>Scatter+Type</i> , <i>Place+Type</i> , and <i>Scatter+Place+Type</i> . Also <i>Sector</i> , for random placement of individual balls.
Interval Training	No	Yes. <i>Cycle</i> pauses and then restarts play automatically. Play period can be set to 10, 20, 30, 40, 50, 60, 70, 80, or 90 seconds. Pause period can be set to 10, 20, 30, 40, or 50 seconds.	Yes. <i>Cycle</i> pauses and starts play automatically. Quickset options for 20/40/60/80 second play periods with pause set to ½ play period. Custom periods can be set from 2–180 seconds for play and 0–60 seconds for pause. Play period can also be regulated by number of repetitions (2–180) instead of time.

Feature	AMICUS Start	AMICUS Expert	AMICUS Prime
<b>3rd Ball Attack Training</b>	No	No	Yes, wheels placed in Wait mode until tablet detects serve and then drill begins.
<b>Pass Ball</b>	No	No	Yes—when Wait is on, Pass Ball can be turned on so robot delivers a ball to the server at end of each repetition to use for starting the next repetition.
<b>Unload Balls</b>	No	No	Yes—unloads balls in Ball Tray quickly for serve practice, storage, or transport.
<b>Miscellaneous Controller Functions</b>	None	None	Direct email support. Virtual app & firmware updates to fix bugs and add features. Manual viewable in app. Share drills & messages with friends.
<b>Ball Frequency</b>	@ 11–100 Balls Per Minute	@ 1–100 Balls Per Minute	@ 5–120 Balls Per Minute
<b>Frequency Steps</b>	@ 11–100 Balls Per Minute	100, in units of 1	115, in units of 1
<b>Frequency Customization</b>	None	Automatic Frequency Control (AFC) provides more natural timing between shots of varying speed and spin.	Individual Frequency Control (IFC) to adjust timing between two programmed balls.
<b>Stopping Ball Delivery</b>	Turn controller knob off. With optional remote, press button on the remote	Press button on controller or remote. <i>Cycle</i> can stop/start play automatically by time, but cannot fully stop drill.	Press button on controller or remote. <i>Cycle</i> can stop/start play automatically by time or number of repetitions, but cannot fully stop drill.
<b>How wheel speeds determine spin type &amp; speed/spin</b>	Speed of 3 wheels relative to each other, forward spinning only.	Speed of 3 wheels relative to each other, forward spinning only.	Speed and direction of wheels relative to each other, forward and backward spinning.

<b>Feature</b>	<b>AMICUS Start</b>	<b>AMICUS Expert</b>	<b>AMICUS Prime</b>
<b>Speed/Spin Range</b>	@ 50/50 to 100/0	@ 50/50 to 100/0	@ 10/90 to 100/0
<b>Spin Amount Steps</b>	6 for topspin, 4 for backspin, sidespin has variable control knob with no discernable steps, but 4 indicators.	6 for topspin, 4 for backspin, 5 for right sidespin, 5 for left sidespin.	7 for topspin, 5 for backspin, 6 for right sidespin, 6 for left sidespin.
<b>Ball Speed Steps</b>	22	21	25
<b>Oscillation Steps</b>	Variable—control knob has no discernable steps, but has 9 indicator marks.	17	17
<b>Elevation Steps</b>	Approximately 108 with 9 indicator marks.	154 (19 indicators)	154 (154 indicators)
<b>Calibration</b>	No	Yes	Yes, includes onscreen instructions and now includes routine for balancing left/right balls.
<b>Power Supply</b>	External wall wart with US power cord. Input: 100~240V, 50~60Hz; Output: 24V, 2.7A.	External wall wart with US power cord. Input: 100~240V, 50~60Hz; Output: 24V, 2.7A.	External wall wart with US power cord. Input: 100~240V, 50~60Hz; Output: 24V, 2.7A.
<b>Ball Projection Height</b>	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.
<b>Table Thickness Adjustable?</b>	Yes, for table tops from $\frac{3}{8}$ " to 1" (9–25mm)	Yes, for table tops from $\frac{3}{8}$ " to 1" (9–25mm)	Yes, for table tops from $\frac{3}{8}$ " to 1" (9–25mm)
<b>Ball Recycling Net</b>	Yes	Yes	Yes
<b>Side Net Attachment</b>	Thick rubber band slips over table-net bracket and around table-net clamp screw.	Thick rubber band slips over table-net bracket and around table-net clamp screw.	Thick rubber band slips over table-net bracket and around table-net clamp screw.
<b>Robot Dimensions,</b>	62"W x 33.75"H x 63"D	62"W x 33.75"H x 63"D	62"W x 33.75"H x 63"D
<b>Robot Dimensions,</b>	9.5"W x 31"H x 12.75"D	9.5"W x 31"H x 12.75"D	9.5"W x 31"H x 12.75"D
<b>Carton Size</b>	33" L x 15" W x 15" H	33" L x 15" W x 15" H	33" L x 15" W x 15" H
<b>Weight,</b>	20.1 lb./27.25 lb.*	20.0 lb./27.25 lb.*	20.2 lb./28.6 lb.*
<b>Printed Manuals</b>	Owner's Manual in English, German, and French (detailed). Can also be downloaded online.	Owner's Manual in English, German, and French (detailed). Can also be downloaded online.	Owner's Manual in English, German, & French (detailed). Manual also on tablet and/or downloaded online.

<b>Feature</b>	<b>AMICUS Start</b>	<b>AMICUS Expert</b>	<b>AMICUS Prime</b>
<b>Carry/Storage Bag</b>	Yes—free. Heavy duty material, padded with 4 pockets, feet, carry handles, & backstrap.	Yes—free. Heavy duty material, padded with 4 pockets, feet, carry handles, & backstrap.	Yes—free. Heavy duty material, padded with 4 pockets, feet, carry handles, & backstrap.
<b>Balls Included?</b>	120 Training Balls	120 Training Balls	120 Training Balls
<b>Spare Parts/Tools Included</b>	Side Net Rubber Bands, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels), Repair White Strips.	Side Net Rubber Bands, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels), Repair White Strips.	Side Net Rubber Bands, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels), Repair White Strips.
<b>Upgradeable</b>	Yes, to Expert or Prime	Yes, to Prime	No
<b>Warranty</b>	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee
<b>Country of Origin</b>	Hungary, except carry bag & power supply, which are from China.	Hungary, except carry bag & power supply, which are from China.	Hungary, except carry bag, power supply, & tablet which are from China.
<b>Price</b>	\$1,499.99	\$2,099.99	\$2,499.99

\*Weight may vary slightly from robot to robot. Not to be used for shipping. Dimensional weights are used for shipping, substantially raising the weight used to calculate shipping charge.

<b>Feature</b>	<b>AMICUS Start</b>	<b>AMICUS Expert</b>	<b>AMICUS Prime</b>
<b>Controller</b>	Wired Control Panel	Wired Control Panel	Android Tablet (supplied) with app pre-installed. Can install app on any Android or iOS device
<b>Wireless (RF) Remote</b>	Yes (optional). Has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot	Yes (supplied). Has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot	Yes (supplied). Has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot.
<b>Programmable</b>	Up to 6 shots. Position only can be changed. Spin, speed, and height remain same.	Up to 7 shots. Adjust speed, spin type, spin amount, height, and position for each shot.	Up to 10 shots. Adjust speed, spin type, spin amount, height, timing, & position of each shot.
<b>Memory Capacity</b>	None	Save up to 99 drills, from 1 to 7 shots each.	Virtually unlimited. 32Gb included. Can be extended with Micro SD (TF) card.
<b>Factory Drills</b>	None	21, can be modified or replaced.	21, can be modified or deleted.
<b>Drill Videos</b>	No	No	Yes, for factory drills.
<b>Drill Description</b>	N/A	N/A	Yes—can add description, purpose of drill, tips, etc.
<b>Drill Diagrams</b>	N/A	N/A	Top & side view diagrams show ball order, speed, spin type, spin amount, placement, & trajectory of each ball in 1 glance
<b>Mirror Function</b>	No	No	Yes—makes drills run correctly for right or left handed players, or quickly creates new drill variation.
<b>Serve Delay</b>	No	No	Yes—adds short delay before drill that starts with a serve to simulate pause at start of point in a real game.

<b>Random Settings</b>	Yes, 3 types—Scatter, which scatters shots within a 20 cm radius of a selected point; Place, which randomly delivers a shot to 2 or more selected points; and Scatter+Place, which combines these two random modes.	Yes, 3 types—Scatter, which scatters shots within a 20 cm radius of a selected point; Place, which randomly delivers a shot to 2 or more selected points; and Scatter+Place, which combines these two random modes.	Yes, 8 types—Scatter, to scatter shots within a 20 cm radius; Place, to randomly deliver a shot to 2 or more selected spots; and Type, to randomize the order of balls. You can combine modes: Scatter+Place, Scatter+Type, Place+Type, and Scatter+Place+Type. Also Sector, for random placement of individual balls.
<b>Interval Training</b>	No	Yes. Cycle pauses and then restarts play automatically. Play period can be set to 10, 20, 30, 40, 50, 60, 70, 80, or 90 seconds. Pause period can be set to 10, 20, 30, 40, or 50 seconds.	Yes. Cycle pauses and starts play automatically. Quickset options for 20/40/60/80 second play periods with pause set to ½ play period. Custom periods can be set from 2–180 seconds for play and 0–60 seconds for pause. Play period can also be regulated by number of repetitions (2–180) instead of time
<b>3rd Ball Attack Training</b>	No	No	Yes, wheels placed in Wait mode until tablet detects serve and then drill begins.
<b>Frequency Customization</b>	None	Automatic Frequency Control (AFC) provides more natural timing between shots of varying speed and spin	Individual Frequency Control (IFC) to adjust timing between two programmed balls.
<b>Speed/Spin Range</b>	@ 50/50 to 100/0	@ 50/50 to 100/0	@ 10/90 to 100/0
<b>Elevation Steps</b>	Approximately 108 with 9 indicator marks	154 (19 indicators)	154 (154 indicators)
<b>Firmware Update</b>	No	No	Yes
<b>Ball Projection Height</b>	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.
<b>Table Thickness Adjustable?</b>	Yes, for table tops from ⅜" to 1" (9–25mm)	Yes, for table tops from ⅜" to 1" (9–25mm)	Yes, for table tops from ⅜" to 1" (9–25mm)
<b>Carry/Storage Bag</b>	Yes—free. Heavy duty material, padded with 4 pockets, feet, carry handles, & backstrap.	Yes—free. Heavy duty material, padded with 4 pockets, feet, carry handles, & backstrap.	Yes—free. Heavy duty material, padded with 4 pockets, feet, carry handles, & backstrap.
<b>Balls Included?</b>	120 Training Balls	120 Training Balls	120 Training Balls

<b>Warranty</b>	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee
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<b>Feature</b>	<b>AMICUS Start</b>	<b>AMICUS Expert</b>	<b>AMICUS Prime</b>
<b>Controller</b>	Wired Control Panel	Wired Control Panel	Android Tablet (supplied) with app pre-installed. Also can download app to any Android or iOS device.
<b>Tablet Charging</b>	N/A	N/A	Tablet Cable from robot keeps tablet charged.
<b>Wireless Remote</b>	Yes (optional). RF Remote has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot.	Yes (supplied). RF Remote has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot.	Yes (supplied). RF Remote has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot.
<b>Controller Attachment</b>	Slip-on metal bracket, detachable from controller.	Slip-on metal bracket, detachable from controller.	Slip-on metal bracket, detachable from controller.
<b>Controller-Robot Connection</b>	Thin, light cable with 3.5mm jacks.	Thin, light cable with 3.5mm jacks.	Bluetooth (wireless)
<b>Power PCB</b>	Located in Base, very close to motors (more responsiveness).	Located in Base, very close to motors (more responsiveness).	Located in Base, very close to motors (more responsiveness).
<b>Programmable</b>	Up to 6 shots. Position only can be changed. Spin, speed, and height remain same.	Up to 7 shots. Adjust speed, spin type, spin amount, height, and position for each shot.	Up to 10 shots. Adjust speed, spin type, spin amount, height, timing, & position of each shot.
<b>Sampling Button</b>	No (but available on optional remote)	Yes (also on remote)	Yes (also on remote)
<b>Memory Capacity</b>	None	Save up to 99 drills, from 1 to 7 shots each.	Virtually unlimited memory. 16Gb included. Can be extended with Micro SD (TF) card.
<b>Factory Drills</b>	None	21, can be modified or replaced.	21, can be modified or deleted.
<b>Drill Backup</b>	N/A	N/A	Yes
<b>Drill Sequencing</b>	No	No	Yes (Sequences), limited to 10 drills.
<b>Drill Videos</b>	No	No	Yes, for factory drills. User can add video for custom drill. Videos stored on tablet.
<b>Drill Ordering</b>	No	Numerical only. Each drill identified with a number.	Any way user wants. Give drills custom names or change order.
<b>Drill Search</b>	N/A	N/A	Yes, any text in drill title

<b>Drill Description</b>	N/A	N/A	Yes—can add description, purpose of drill, tips, etc.
<b>Drill Diagrams</b>	N/A	N/A	Top & side view diagrams show ball order, speed, spin type, spin amount, placement, & trajectory of each ball in 1 glance.
<b>Drill List</b>	N/A	N/A	Shows 7 drills at a time
<b>Delete Ball</b>	Yes, button press	Yes, button press	Popup submenu
<b>Copy Ball</b>	Yes, automatically copies current ball when creating new ball.	Yes, automatically copies current ball when creating new ball.	Popup submenu or by adding a new ball (copies selected ball).
<b>Change Ball Order</b>	N/A	N/A	Popup submenu— has commands to move ball left or right
<b>Shot Types</b>	Counter, fast loop, push, chop, lob, serve, dead block, flat kill, smash.	Counter, fast loop, push, chop, lob, serve, dead block, flat kill, smash.	Counter, fast loop, slow loop, push, chop, lob, serve, dead block, flat kill, smash, heavy chop, heavy serve.
<b>Mirror Function</b>	No	No	Yes—makes drills run correctly for right or left handed players, or quickly creates new drill variation.
<b>Trajectory &amp; Speed</b>	Must be manually set	Must be manually set	Must be manually set
<b>Serve Delay</b>	No	No	Yes—adds short delay before drill that starts with a serve to simulate pause at start of point in a real game.
<b>Serve Number &amp; Order</b>	None	None	1, 2, or 3—if 2 or 3, robot alternates serves to start each drill repetition; if Type Random is on, robot randomizes the serves.

<b>Random Settings</b>	Yes, 3 types— <i>Scatter</i> , which scatters shots within a 20 cm radius of a selected point; <i>Place</i> , which randomly delivers a shot to 2 or more selected points; and <i>Scatter+Place</i> , which combines these two random modes.	Yes, 3 types— <i>Scatter</i> , which scatters shots within a 20 cm radius of a selected point; <i>Place</i> , which randomly delivers a shot to 2 or more selected points; and <i>Scatter+Place</i> , which combines these two random modes.	Yes, 8 types— <i>Scatter</i> , to scatter shots within a 20 cm radius; <i>Place</i> , to randomly deliver a shot to 2 or more selected spots; and <i>Type</i> , to throw balls with random spin, speed, and height. You can combine modes: <i>Scatter+Place</i> , <i>Scatter+Type</i> , <i>Place+Type</i> , and <i>Scatter+Place+Type</i> . Also <i>Sector</i> , for random placement of individual balls.
<b>Interval Training</b>	No	Yes. <i>Cycle</i> pauses and then restarts play automatically. Play period can be set to 10, 20, 30, 40, 50, 60, 70, 80, or 90 seconds. Pause period can be set to 10, 20, 30, 40, or 50 seconds.	Yes. <i>Cycle</i> pauses and starts play automatically. Quickset options for 20/40/60/80 second play periods with pause set to ½ play period. Custom periods can be set from 10–120 seconds for play and 5–60 seconds for pause. Play period can also be regulated by number of balls (10-180) instead of time.
<b>3rd Ball Attack Training</b>	No	No	Yes, wheels placed in wait mode until tablet detects serve bounce and then drill begins.
<b>Miscellaneous Controller Functions</b>	None	None	Direct email customer support. Virtual software & firmware updates to fix bugs and add features. Manual viewable in app. Share drills & messages with friends.
<b>Ball Frequency</b>	11~100 Balls Per Minute	1~100 Balls Per Minute	5~120 Balls Per Minute
<b>Frequency Steps</b>	Variable—control knob has no discernable steps, but has 8 indicator marks.	100, in units of 1	115, in units of 1
<b>Frequency Customization</b>	None	Automatic Frequency Control (AFC) provides more natural timing between shots of varying speed and spin.	Individual Frequency Control (IFC) to adjust timing between two programmed balls.

<b>Stopping Ball Delivery</b>	Turn controller knob off. With optional remote, press button on the remote	Press button on controller or remote. <i>Cycle</i> can stop/start play automatically by time, but cannot fully stop drill.	Press button on controller or remote. <i>Cycle</i> can stop/start play automatically by time or number of balls, but cannot fully stop drill.
<b># &amp; Type of Wheels</b>	Three 4" foam.	Three 4" foam.	Three 4" foam.
<b>How wheel speeds determine spin type &amp; speed/spin</b>	Speed of 3 wheels relative to each other, forward spinning only.	Speed of 3 wheels relative to each other, forward spinning only.	Speed and direction of wheels relative to each other, forward and backward spinning.
<b>Speed/Spin Range</b>	@ 50/50 to 100/0	@ 50/50 to 100/0	@ 10/90 to 100/0
<b>Spin Amount Steps</b>	6 for topspin, 4 for backspin, sidespin has variable control knob with no discernable steps, but 4 indicators.	6 for topspin, 4 for backspin, 5 for right sidespin, 5 for left sidespin.	7 for topspin, 5 for backspin, 6 for right sidespin, 6 for left sidespin.
<b>Ball Speed Steps</b>	22	21	25
<b>Oscillation Steps</b>	Variable—control knob has no discernable steps, but has 9 indicator marks.	17	17
<b>Osc. Movement</b>	Deflector plate; permits very quick left/right placements	Deflector plate; permits very quick left/right placements	Deflector plate; permits very quick left/right placements
<b>Elevation Steps</b>	Approximately 108 with 9 indicator marks.	154 (19 indicators)	154 (154 indicators)
<b>Elev. Movement</b>	Deflector plate; permits very quick up/down placements	Deflector plate; permits very quick up/down placements	Deflector plate; permits very quick up/down placements
<b>Calibration</b>	No	Yes	Yes, includes onscreen instructions.
<b>Tablet</b>	N/A	N/A	Has 8" screen
<b>OS</b>	N/A	N/A	Android 10
<b>Firmware Update</b>	No	No	Yes
<b>Startup</b>	N/A	N/A	Customized—has Amicus & Butterfly logos.

<b>Power Supply</b>	External wall wart with US power cord. Input: 100~240V, 50~60Hz; Output: 24V, 2.7A.	External wall wart with US power cord. Input: 100~240V, 50~60Hz; Output: 24V, 2.7A.	External wall wart with US power cord. Input: 100~240V, 50~60Hz; Output: 24V, 2.7A.
<b>Ball Projection Height</b>	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Adjustable—8", 9.5", 11", & 12.5" above table surface.
<b>Table Thickness Adjustable?</b>	Yes, can be adjusted for table thicknesses from $\frac{3}{8}$ " to 1" (9–25mm)	Yes, can be adjusted for table thicknesses from $\frac{3}{8}$ " to 1" (9–25mm)	Yes, can be adjusted for table thicknesses from $\frac{3}{8}$ " to 1" (9–25mm)
<b>Ball Recycling Net</b>	Yes	Yes	Yes
<b>Side Net Attachment</b>	Rubber band slips over table-net bracket and around table-net clamp screw.	Rubber band slips over table-net bracket and around table-net clamp screw.	Rubber band slips over table-net bracket and around table-net clamp screw.
<b>Robot Dimensions, Unfolded</b>	62"W x 33.75"H x 63"D	62"W x 33.75"H x 63"D	62"W x 33.75"H x 63"D
<b>Robot Dimensions, Folded</b>	9.5"W x 31"H x 12.75"D	9.5"W x 31"H x 12.75"D	9.5"W x 31"H x 12.75"D
<b>Carton Size</b>	33" L x 15" W x 15" H	33" L x 15" W x 15" H	33" L x 15" W x 15" H
<b>Weight, Net/Gross</b>	20.1 lb./27.25 lb.*	20.0 lb./27.25 lb.*	20.2 lb./28.6 lb.*
<b>Printed Manuals</b>	Owner's Manual in English, German, and French (detailed). Can also be downloaded online.	Owner's Manual in English, German, and French (detailed). Can also be downloaded online.	Owner's Manual in English, German, and French (detailed). Manual also displayed on tablet and/or downloaded online.
<b>Carry/Storage Bag</b>	Yes—free. Heavy duty material, padded with 4 pockets, carry handles, & backstrap.	Yes—free. Heavy duty material, padded with 4 pockets, carry handles, & backstrap.	Yes—free. Heavy duty material, padded with 4 pockets, feet, carry handles, & backstrap.
<b>Balls Included?</b>	120 Training Balls	120 Training Balls	120 Training Balls

<b>Spare Parts/Tools Included</b>	Side Net Rubber Bands, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels), Repair White Strips.	Side Net Rubber Bands, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels), Repair White Strips.	Side Net Rubber Bands, Wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels), Repair White Strips.
<b>Upgradeable</b>	Yes, to Expert or Prime	Yes, to Prime	No
<b>Warranty</b>	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee
<b>Country of Origin</b>	Hungary, except carry case & power supply, which are from China.	Hungary, except carry case & power supply, which are from China.	Hungary, except carry case, power supply, & tablet which are from China.
<b>Price</b>	\$1,499.99	\$2,099.99	\$2,499.99

\*Weight may vary slightly from robot to robot. Not to be used for shipping. Dimensional weights are used for shipping, substantially raising the weight used to calculate shipping charge.



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bag, power  
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<b>Feature</b>	<b>Amicus Prime</b>	<b>PowerPong Omega</b>
<b>Controller</b>	Android Tablet (supplied) with app pre-installed. Can install app on any Android or iOS device.	Same, however, user must create or sign in to an existing Google account, download the app from Play Store, and then install it.
<b>Tablet Charging</b>	Tablet Cable from robot or plug directly into power outlet.	No
<b>Wireless (RF) Remote</b>	Yes (supplied). Has Start, Stop, & Frequency +/- buttons. Can connect up to 4 remotes to a robot.	Yes, but there appears to be no way to link a new remote to firmware, so no additional remotes can be added.
<b>Controller Attachment</b>	Slip-on metal bracket, detachable from controller.	Same
<b>Controller-Robot Connection</b>	Bluetooth (wireless)	Same
<b>Power Circuit Board</b>	Located in Base, very close to motors (more responsive).	Same
<b>Programmable</b>	Up to 10 shots. Adjust speed, spin type, spin amount, height, timing, & position of each shot.	Up to 8 shots, otherwise the same.
<b>Sampling Button</b>	Yes (also on remote)	Same
<b>Memory Capacity</b>	Virtually unlimited. 32Gb included. Can be extended with Micro SD (TF) card.	Same
<b>Factory Drills</b>	21, can be modified or deleted.	Same, except 40
<b>Restore Factory Drills?</b>	Yes, will not delete custom drills.	Yes, but doing so deletes all custom drills
<b>Drill Backup</b>	Yes	No
<b>Drill Sequencing</b>	Yes (Sequences), limited to 10 drills.	Yes (Grouping), unlimited # of drills
<b>Drill Videos</b>	Yes, for factory drills.	Yes, but cannot add video for custom drills and must be connected to internet.
<b>Drill Ordering</b>	Any way user wants. Give drills custom names or change order.	Drill can have any name, but order is alphanumeric only.
<b>Drill Search</b>	Yes, any text in drill title.	Yes, by drill title, tag, or group title
<b>Drill Description</b>	Yes—can add description, purpose of drill, tips, etc.	None

<b>Drill Diagrams</b>	Top & side view diagrams show ball order, speed, spin type, spin amount, placement, & trajectory of each ball in 1 glance.	No side view diagram, but top view is larger and enhanced— provides optional boundaries and grid overlays. Harder to determine ball order and spin amount (shade of color) and must select ball before seeing trajectory & speed. Fine tuning placement & trajectory can be difficult.
<b>Drill List</b>	Shows 7 drills at a time	Shows 1-2 drills at a time
<b>Delete Ball</b>	Popup submenu	Button on main screen
<b>Copy Ball</b>	Popup submenu or by adding a new ball (copies selected ball).	Button (Clone) on main screen
<b>Change Ball Order</b>	Popup submenu—has commands to change ball order	Move ball indicator up or down on main screen with finger
<b>Shot Types</b>	Counter, fast loop, slow loop, push, chop, lob, serve, dead block, flat kill, smash, heavy chop, heavy serve.	Same
<b>Mirror Function</b>	Yes—makes drills run correctly for right or left handed players, or quickly creates new drill variation.	Same
<b>Trajectory &amp; Speed</b>	Must be manually set	Automatically calculated by changing placement. Can be overridden by manual adjustments.
<b>Serve Delay</b>	Yes—adds short delay before drill that starts with a serve to simulate pause at start of point in a real game.	None
<b>Serve Number &amp; Order</b>	1, 2, or 3—if 2 or 3, robot alternates serves to start each drill repetition; if Type Random is on, robot randomizes the serves.	None
<b>Random Settings</b>	Yes, 8 types—Scatter, to scatter shots within a 20 cm radius; Place, to randomly deliver a shot to 2 or more selected spots; and Type, to randomize the order of balls. You can combine modes: Scatter+Place, Scatter+Type, Place+Type, and Scatter+Place+Type. Also Sector, for random placement of individual balls.	Only 1 type—Place

<b>Interval Training</b>	Yes. Cycle pauses and starts play automatically. Quickset options for 20/40/60/80 second play periods with pause set to ½ play period. Custom periods can be set from 2–180 seconds for play and 0–60 seconds for pause. Play period can also be regulated by number of repetitions (2–180) instead of time.	Yes, and break period can be turned off, allowing for timed drills. Play period up to 10 minutes; break period up to 5 minutes. No quickset options other than default settings of 30/10.
<b>3rd Ball Attack Training</b>	Yes, wheels placed in Wait mode until tablet detects serve and then drill begins.	None
<b>Miscellaneous Controller Functions</b>	Direct email support. Virtual app & firmware updates to fix bugs and add features. Manual viewable in app. Share drills & messages with friends.	Has online tutorial to help user understand controls and how to use app. Must update app by using Play Store. Share drills with friends. User can manually download manual to tablet and view it in another app.
<b>Ball Frequency</b>	@ 5–120 Balls Per Minute	10~120 Balls Per Minute
<b>Frequency Steps</b>	115, in units of 1	23, in units of 5
<b>Frequency Customization</b>	Individual Frequency Control (IFC) to adjust timing between two programmed balls.	Same, but called Delay
<b>Stopping Ball Delivery</b>	Press button on controller or remote. Cycle can stop/start play automatically by time or number of repetitions, but cannot fully stop drill.	Same, but Cycle can fully stop drill after play period ends.
<b># &amp; Type of Wheels</b>	Three 4" foam.	Same
<b>How wheel speeds determine spin type &amp; speed/spin</b>	Speed and direction of wheels relative to each other, forward and backward spinning.	Same
<b>Speed/Spin Range</b>	@ 10/90 to 100/0	Same
<b>Spin Amount Steps</b>	7 for topspin, 5 for backspin, 6 for right sidespin, 6 for left sidespin.	Same
<b>Ball Speed Steps</b>	25	16
<b>Oscillation Steps</b>	17	Same, but harder to fine tune
<b>Osc. Movement</b>	Deflector plate; permits very quick left/right placements	Same
<b>Elevation Steps</b>	154 (154 indicators)	170 (170 indicators), but difficult to fine tune upward

<b>Elev. Movement</b>	Deflector plate; permits very quick up/down placements	Same
<b>Calibration</b>	Yes, includes onscreen instructions and now includes routine for balancing left/right balls.	Yes, but no explanation of how to set up or use controls. Has link to YouTube video, but no video appears
<b>Tablet</b>	8" screen, 2.0GB RAM, & 1000mAh battery.	Has 7" screen
<b>OS</b>	Android 11	Same
<b>Firmware Update</b>	Yes	No
<b>Startup</b>	Customized—has Amicus & Butterfly logos.	Standard Android. User must launch app manually.
<b>Power Supply</b>	External wall wart with US power cord. Input: 100~240V, 50~60Hz; Output: 24V, 2.7A.	Same
<b>Ball Projection Height</b>	Adjustable—8", 9.5", 11", & 12.5" above table surface.	Same
<b>Table Thickness Adjustable?</b>	Yes, for table tops from ¾" to 1" (9–25mm)	Same
<b>Ball Recycling Net</b>	Yes	Same
<b>Side Net Attachment</b>	Thick rubber band slips over table-net bracket and around table-net clamp screw.	Same
<b>Robot Dimensions, Unfolded</b>	62"W x 33.75"H x 63"D	Same
<b>Robot Dimensions, Folded</b>	9.5"W x 31"H x 12.75"D	Same
<b>Carton Size</b>	33" L x 15" W x 15" H	33" L x 13" W x 15" W
<b>Weight, Net/Gross</b>	20.2 lb./28.6 lb.*	?/22.1 lb.
<b>Printed Manuals</b>	Owner's Manual in English, German, & French (detailed). Manual also on tablet and/or downloaded online.	None, only a half page instruction to download app, manual available online, English only, but does not cover app control.
<b>Carry/Storage Bag</b>	Yes—free. Heavy duty material, padded with 4 pockets, feet, carry handles, & backstrap.	Yes, free, but material is lightweight with only 2 pockets, and no feet or straps.
<b>Balls Included?</b>	120 Training Balls	100 unapproved 3*
<b>Spare Parts/Tools Included</b>	Side Net Rubber Bands, wheel Adjustment Gauge, 2mm & 4mm Hex Wrenches (for replacing & adjusting wheels), Repair White Strips	Same
<b>Upgradeable</b>	No	Same

<b>Warranty</b>	2-Year Manufacturer's Warranty + 1-Year Distributor's Warranty (N. & S. America only) + 5-Year Parts Availability Guarantee	Same
<b>Country of Origin</b>	Hungary, except carry bag, power supply, & tablet which are from China	Same
<b>Price</b>	\$2,499.99	\$2,397.00