

## Yamaha Changes Shape and Materials, Adds New BOOST RING Technology to Further Improve Flight Distance

### Yamaha RMX Series Golf Clubs

Complete Lineup from Drivers to Irons to Go on Sale in September 2019

Yamaha Corporation announces the release of the RMX (remix) 2020 models in September 2019. We have changed the shapes and materials and added the new kick velocity-increasing BOOST RING technology in pursuit of further improved flight distance performance. Caddie bags, head covers, and other goods featuring the Yamaha logo are also scheduled for release on the same day.



Yamaha RMX Series Golf Clubs

The new RMX (remix) 2020 models are the latest in the RMX Series that facilitate and elevate optimal club selection and deliver personal record-breaking results to golfers who approach the game with a proactive, inquiring spirit. We spared no effort in our pursuit of performance with an emphasis on flight distance, and have made substantial improvements to the previous models, adopting a large-head design for the drivers, improving the shape of the soles on the fairway woods and utility clubs, and changing the materials and manufacturing process for the irons. We also added the new BOOST RING technology to the drivers, fairway woods, and utility clubs to maximize kick velocity and achieve greater flight distance. We offer three types of irons: the RMX 020, soft-forged irons, the RMX 120, a monobloc-cast chromium-molybdenum steel model, and the RMX 220, which delivers greater distance through improved repulsion performance.

#### Overview

1. Added new BOOST RING technology to improve kick velocity and achieve greater flight distance (DR, FW, UT)
2. Adopted large-head design in tireless pursuit of improved performance to achieve the highest-ever MOI for the RMX Series (DR)
3. Changed the shape by moving the face center and point of impact closer together, and took other steps to increase kick velocity (FW, UT)
4. Introduced three different models with improved distance and height (IR)

#### ■ RMX Drivers

Product	Model	Loft angle (°)	Release Date
Heads	RMX 120	9.5 (±1)/10.5 (±1)	September 2019
	RMX 220		

\*Heads include a torque wrench, head cover, and instruction manual/warranty.

Product	Model	Release Date
Shafts for drivers	Original carbon TMX-420D (S/SR/R)	September 2019
	Speeder 569 EVOLUTION VI (S)	
	TOUR AD XC-5 (S)	
	Diamana ZF50 (S)	

### ■ RMX Fairway Woods/Utility Clubs

Product	Model	Shaft	Number	Release Date
Fairway woods	RMX FW	Original carbon TMX-420F (S/SR/R)	#3/#5/#7	September 2019
		Speeder EVOLUTION VI FW50 (S)		
Utility clubs	RMX UT	Original carbon TMX-420U (S/SR/R)	#U4/#U5 /#U6	
		Speeder EVOLUTION VI FW60 (S)		

### ■ RMX Irons

Product	Model	Shaft	Number	Release Date
Irons	RMX 020	Dynamic Gold TOUR ISSUE	#5-PW (Set of 6)	September 2019
			#4	
	RMX 120	N.S.PRO MODUS <sup>3</sup> TOUR 120	#5-PW (Set of 6)	
			#4	
		N.S.PRO RMX95	#5-PW (Set of 6)	
			#4	
	RMX 220	Original carbon TMX-520i	#6-PW (Set of 5)	
			#5/AW/SW	
		N.S.PRO RMX95/85	#6-PW (Set of 5)	
			#5/AW/SW	

## ■Caddie Bags

Product	Model	Size	Color
Caddie bags	Y20CBP	9.5-inch (shafts up to 48 inches)	Black/White & Red/White & Violet
	Y20CBA	9-inch (shafts up to 48 inches)	Black/White/Red/Blue

## ■Head Covers

Product	Model	Color
Head covers (for drivers)	Y20HDP	Black/White & Red/White & Violet
Head covers (for FW)	Y20HFP	
Head covers (for UT)	Y20HUP	
Head covers (for irons)	Y20HIP	

## ■Caps and Visors

Product	Model	Size	Color
Caps	Y20CP	One-size-fits-all (56-60 cm)	White/Navy Blue/Gray/Black & White/Black & Black/Red
Visors	Y20VS		

## Prominent Characteristics

### ■RMX Drivers

#### 1. Added new BOOST RING technology to improve kick velocity and achieve greater flight distance

The lineup features two RMX drivers: the RMX 120 for consistently straight flight golfers can trust, and the RMX 220 for even straighter flight thanks to a high MOI that pushes the limits allowed by the rules.

Conventional head designs cause the body to deform, creating deflection that stores impact energy. Although this is done to increase the kick velocity of the ball, with large heads the deflection is uneven, causing energy loss. Our new design features a series of ribs from the crown to the sole, which we integrated with the hosel to form a ring that is secured near the face. This new technology that we call BOOST RING restricts body deformation to even out deflection and reduce energy loss, thereby maximizing kick velocity. BOOST RING has substantially increased flight distance performance for both models.



## 2. Adopted large-head design in tireless pursuit of improved performance to achieve the highest-ever MOI for the RMX Series

For both the RMX 120 and RMX 220, we adopted head shapes that allow for high MOI in our tireless pursuit of flight distance performance. Although the small-head design of the RMX 120 was acclaimed for many years, we changed it to achieve a transverse moment of inertia of  $5,180 \text{ g} \cdot \text{cm}^2$ , the highest ever for the RMX 1 Series. For the RMX 220, we achieved a transverse moment of inertia of  $5,760 \text{ g} \cdot \text{cm}^2$ —close to the maximum allowed under the current rules—producing long, straight flight and minimizing distance loss from off-center hits.



RMX 120: Consistently straight flight



RMX 220: Straight flight thanks to a high MOI that pushes the limits allowed by the rules

RMX 120	RMX 220
The greatest MOI ever in the RMX1 series	High MOI that pushes the limits allowed by the rules ( $5,900 \text{ g} \cdot \text{cm}^2$ )
<b><math>5,180 \text{ g} \cdot \text{cm}^2</math></b>	<b><math>5,760 \text{ g} \cdot \text{cm}^2</math></b>

[Other drivers]	[ RMX120·220 ]
Low-MOI head	High-MOI head
<p>Unforgiving</p>	<p>Forgiving</p>
Low MOI clubs are less forgiving of mishits. Off-center hits result in lower kick velocity, less distance, and slices and draws.	High MOI clubs are more forgiving of mishits. Even off-center hits can produce straight flight with no loss of kick velocity.

(Image)

### ■ RMX Shaft Lineup

Lineup features original shaft plus three custom shafts

Original carbon shafts can be used on drivers, fairway woods, utility clubs, and irons, and Speeder EVOLUTION VI shafts can be used on drivers, fairway woods, and utility clubs.

**Original carbon TMX-420D (S/SR/R)**

Original shaft TMX-420D manufactured by Mitsubishi Chemical. Aiming to make clubs easy to swing through pure EI (stiffness distribution) for maximizing the characteristics of the ultra-large heads with top-class MOI and ultra-low CG.

**Speeder 569 EVOLUTION VI (S)**

Equipped with the latest technology and materials to give golfers the freedom of control. Speeder shafts allow golfers to attack and enjoy distance with the utmost impact.

**TOUR AD XC-5 (S)**

Very stiff from tip to middle for consistent head behavior. These shafts transfer full power to the ball at impact for relentlessly straight, low-spin shots.

**Diamana ZF50 (S)**

The Diamana 4th Generation compilation model. Diamana shafts are very stiff at the tips to produce a feel of consistency, and with more flex toward the middles and butts to leverage speed and produce flight distance.

### ■ RMX Fairway Woods/Utility Clubs

1. Changed the shape by moving the face center and point of impact closer together, and took other steps to increase kick velocity

The new lineup features RMX fairway woods for long, straight flight, and RMX utility clubs that deliver distance, height, and soft landings. Both models are equipped with the same new BOOST RING technology featured on RMX drivers for maximizing flight distance performance.

We changed the shape of the soles from previous models, and reduced the distance between the face center and the point of impact to 1.9 mm to increase repulsion, thereby increasing kick velocity.

In addition, whereas the weight was concentrated in the center of the sole on the previous model, we dispersed it toward the face and back to achieve the highest-level MOI for fairway woods and utility clubs and improve consistency of direction.



## 2. Versatile utility club with ideal balance between flight distance and spin performance

RMX utility clubs deliver distance, height, and soft landings that enable golfers to go for the green from 200 yards. We went beyond the pursuit of flight distance, and worked to improve spin performance as well in an effort to create a balanced utility club with the versatility to handle any shot.



RMX FW for long, straight flight



RMX UT with balance between flight distance and spin

## ■ RMX Irons

The lineup of RMX irons includes three models. RMX 020 irons are a tour model designed to the exacting standards of 2018 JGTO money list leader Shugo Imahira. RMX 120 irons are a high-performance advanced model that delivers easy distance. RMX 220 irons provide distance with carry.

## 1. RMX 020

### New sole shape improves sweep. Annealing process results in delicate feel

To better accommodate sidehill lies and other precarious shots, we gave the RMX 020 irons a wider, shallower leading edge bounce angle than the RMX 018 Tour Models. This increases the surface area that comes into contact with the ground, which results in less sticking and better sweep. In addition, the annealing process, which makes the soft iron material 12% softer, results in a feel of impact close to that demanded by professionals. We also distributed weight toward the toe to increase the transverse moment of inertia for the trajectory consistency golfers need to take dead aim at the pin.



RMX 020 irons enable golfers to take dead aim



The annealing process makes soft iron material 12% softer



Distribution of weight toward the toe delivers trajectory consistency

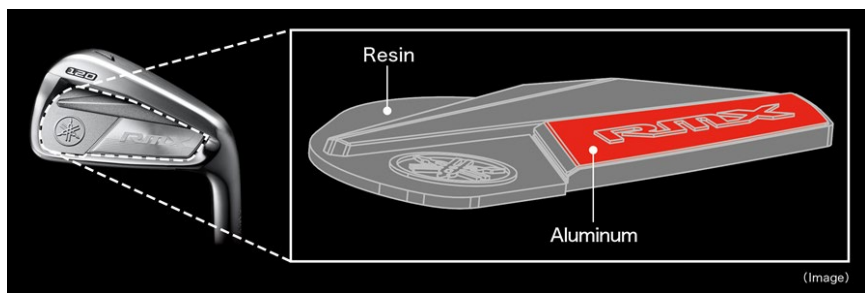
## 2. RMX 120 Irons

### Monobloc-cast chromium-molybdenum steel for better distance and height

To achieve a balance between distance performance and a sharp shape, we changed the material from forged soft iron to chromium-molybdenum steel, and the process from forging to monobloc casting. Chromium-molybdenum steel is much easier to work with, so we were able to create a thinner face, reduce the weight to lower the CG, and use a pocket cavity structure to increase the MOI. In addition, angle adjustments are possible as with the forged soft iron irons, and the double-layer emblem structure delivers a quality feel of impact.



RMX 120 irons: High-performance athlete model



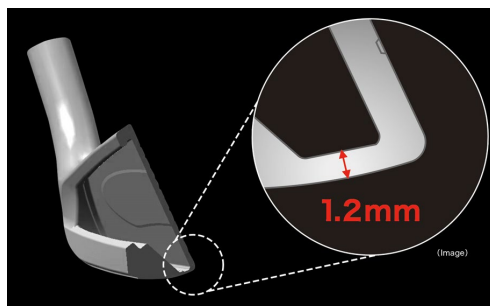
Mild feel of impact thanks to the two-layer resin and aluminum cavity emblem

## 3. RMX 220 Irons

### Thinner sole and contact area on the face increases repulsion and takes “+1-club distance” to the next level

We reduced the thickness of the deepest part of the sole near the face to 1.2 mm, which is 31% thinner than the RMX 218 irons, and also slimmed the contact area 9% from the previous model. Thus, we substantially improved repulsion to further increase flight distance. We also brought the CG closer to the point of contact to increase kick velocity as well as launch angle for greater carry.





RMX 220 irons: Taking “+1-club distance” to the next level

Thinner sole and face for improved repulsion

CG and point of contact brought closer together to increase kick velocity

## ■Products with the Yamaha Logo

Introducing two caddie bags, a replica model of the bags used by pros who endorse Yamaha, featuring a large Yamaha logo; and a compact, regular model featuring an impressive rendering of the tuning fork logo. We are also releasing head covers that feature the same design image as the pro replica model.

Finally, our offerings include Yamaha logo caps and visors in six different colors.



Caddie Bag: Pro Replica Model Y20CBP, Colors: Black/White & Red/White & Violet



Caddie Bag: Regular Model Y20CBA, Colors: Black/White/Red/Blue



Head Covers: Y20HDP/Y20HFP/Y20HUP/Y20HIP, Colors: Black/White & Red/White & Violet



ホワイ

ネイビー

グレー



ブラックxホワイ

ブラックxブラック

レッド

Caps: Y20CP



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ブラックxブラック

レッド

Visors: Y20VS



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レッド

	RMX 220	
10.5 (±1)	9.5 (±1)	10.5 (±1)
.5	60/(60.75*)/61.5	
	0	
Head volume (cm <sup>3</sup> )	455	460
Design	6-4 Titanium CNC precision machined face, 811 Titanium precision casting body	

\*The lie angle figures in parentheses are for cases when the sleeve is set to Low or High.

## Shafts

Model	Original carbon TMX-420D	Speeder 569 EVOLUTION VI	TOUR AD XC-5	Diamana ZF50
Shaft flex	S/SR/R	S	S	S
Shaft weight (g)	54/48/46	56	56	57.5
Shaft torque (°)	6.4/7.0/7.1	4.9	4.2	4.6
Shaft kickpoint	Tip-middle	Middle	Middle-butt	Middle-butt
Club length (inches)	45.5			
Balance	D2			
120 club weight (g)	299/293/291	304	304	305
220 club weight (g)	298/292/290	303	303	304
Grip	Original rubber J100, no logo 45g Y18GJ45R (M60 equivalent, no BL)	Original rubber J100, no logo 50g Y18GJ50R (M60 equivalent, no BL)		

For the specifications of clubs other than RMX drivers, visit the Yamaha Golf website.

Yamaha Golf website: <https://global.golf.yamaha.com/en/>

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