

超輕的 *Fujikura - MOTORE* 桿身配合重量型桿頭
產生出鏈球式的加速揮動力量。

飛行距離 **+15碼!**

MACTEC **NV-F**

MacGregor Golf (Asia) Ltd.

美国马基高高尔夫用品制造商 - 亚洲区分公司

香港办事处: 22C Vulcan House, 21 Leighton Road, Happy Valley, Hong Kong 香港跑马地礼顿道21号均峰商业大厦22楼C座
Tel: (852) 2891 8222 Fax: (852) 2572 0327 Email: golf@macgregor.com.hk

中国办事处: 广州增城市永和镇永康路11号 电话: (8620) 8297 4288 传真: (8620) 8297 4668 电邮: macna@pub.guangzhou.gd.cn
Hong Kong Website: www.macgregor.com.hk Japan Website: www.macgregor.co.jp

MacGregor

IT'S ALL ABOUT PASSION

MACTEC

NV-F
2010 MACTEC PRODUCTS



飞行距离 +15码! MACTEC NV-F 诞生。



NEW

SLEルール適合
弾片效应合规

NV-BLUE
NV-F TYPE1

【轻巧型 General Type】

NV-F 创造飞行的奥秘 How can the NV-F create a flight

- 1 重量型杆头 - 更强的打击力使球飞得更远。
The powerful heavy weight Club head launches the ball flight easily.
- 2 高精密锻造杆头做出更大飞距。
High Precision Forged club head optimize great flying distance.
- 3 超轻的 MOTORE 杆身，增加球速，令球飞行更远。
The light weight MOTORE shaft realize a powerful impact improving flying distance.

MACTEC
全新的「妙用重力技术」
WEIGHT FORCE TECHNOLOGY

重量型杆头 + 超轻量的 MOTORE 杆身 = 链球式加速力
Heavy weight Club head + Fujikura MOTORE shaft = Hammer-like acceleration speed

NV-F 共有 2 款型号可供选择，令每个人都能发挥出最大的飞距。
NV-F series carry two types of specification to suit different golfer's demand, releasing the golfer's maximize driving power.

Correspond Club Head Speed: 40m/s (Test result provided by Fujikawa) Unit (yard)

Club	Launch Angle	Spin Rate	Flight Distance	Rolling Distance	Total
NV-F (BLUE)	13.0	3181	204.5	18.7	223.2
NV-R (BLUE)	12.9	3556	199.4	16.2	215.6
Variation	0.1	-375	5.1	2.5	7.6

* Head speed 40m/s successfully suppressed 375 back spin.

帮助球手发挥出更大的极限力量，MACTEC采用了大比重杆头配搭轻盈的 MOTORE 杆身，链球式结构创造出新的「妙用重力技术」- 总重量轻、而加大杆头重量令挥杆时更多力量集中于杆头，更大离心力可释放出更强的打击力，使球飞得更远。

To maximize and release the golfer's potential power, Mactec adopt the New "Weight Force Technology" by lightening the total weight and the Hammer-like structure - Heavy Weight Club Head match with Light Weight Shaft to allocate more weight on the head. Using centrifugal force of the swing and its mass effect, through the powerful impact improving the flying distance.

Correspond Club Head Speed: 42m/s (Test result provided by Fujikawa) Unit (yard)

Club	Launch Angle	Spin Rate	Flight Distance	Rolling Distance	Total
NV-F (RED)	12.1	2842	215.0	23.0	238.0
NV-R (RED)	12.0	3522	206.2	16.3	222.5
Variation	0.1	-680	8.8	6.7	15.5

* Head speed 42m/s successfully suppressed 680 back spin.



NEW

SLEルール適合
弾片效应合规

NV-RED
NV-F TYPE2

【力量型 Strong Hitter Type】

产生令人惊讶的飞行距离之三大因素

3 Factors to generate the amazing flying distance

1 重量型杆头 - 更强的打击力使球飞得更远 The powerful heavy weight Club head launches the ball flight easily

球杆总重量轻至只有 277 克，但杆头重量却有 196 克，挥杆时可发挥更大的离心力轻易地提高飞球初速，创造出更强而有效的击球弹道及更远的飞距。(对应 NV-BLUE 杆身数据)

Total weight of the club is as light weight as 277g, the club head had shared 196g; head speed improved by centrifugal force and the mass effect of the head achieves amazing flying distance. (All figures are for NV-Blue)

妙用重力技术 - 可替换的重量配搭
WEIGHT FORCE TECHNOLOGY - Changeable Weight

3 种重量配搭，各有特色，可替换的配重，搭配出 21 种比重的球杆，使你一直期待的最强飞距将可预见。
21 weight balance settings by 3 Changeable weights and different Shafts.

可替换的配重 Changeable Weight

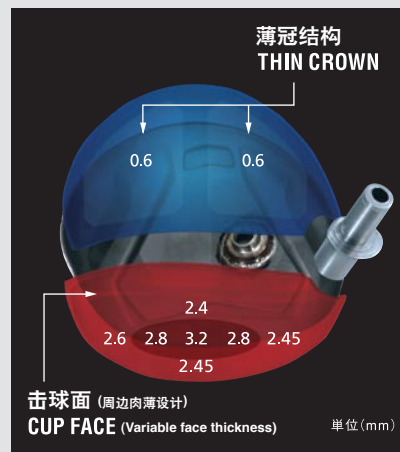
紅色 Red (10g) 白色 White (13g) [標準] 黑色 Black (16g)

W.F.T. WEIGHT FORCE TECHNOLOGY

2 4片式高精密度锻造 杆头做出更大飞距 4 pieces High Precision Forged Club Head improves the flight

通过采用高精密度锻造生产方法来实现更有效的重量分配。NV-F 的击球面及球头体同样地采用高精密度锻造方法来制造，成功地将甜蜜点位置降低了 1.8mm (NV-RED 3.0 mm) 因此更有效地控制发球的旋转量，产生出更强而直的击球。

Effective weight distribution achieved by adopting High Precision Forging Method NV-F successfully to lower the sweet area by 1.8mm (NV-RED, 3.0mm) by adopting the High Precise Forging method in the face and main body, as a result suppressed the spin rate and launch a strong trajectory



3 超轻的 MOTORE 杆身，增加球速，令球飞翔更远 The Light Weight MOTORE Shaft, generates the best acceleration to carry a distance flight

为了寻求在高速挥动下的重量型杆头仍然能保持灵活性和稳定，Mactec与Fujikura公司共同开发的NV-F专用杆身-MOTORE，以40t的高韧性石墨纤维绕织而成，令杆身轻量化的同时亦不失稳定。

In order to match with the heavier club head of the NV-F, Mactec has co-engineered with Fujikura Co. to develop a specific Shaft with high elasticity graphite fiber of 40t rolled in the total length, achieved both a lighter shaft and a high speed but steady swing.



MACTEC NV-F TYPE-1 DRIVER [NVFTW1] (NV-BLUE) Correspond Club Head Speed: R(35~40m/s) SR(40~43m/s) S(43m/s up)

Head Type	TYPE1		
Shaft Type	NV-BLUE		
Shaft (") / Volume (cm ³)	45.25inch / 460cm ³		
Loft (°)	9	10	11
Lie (°)	59		
Face (°)	H1.0		
Flex	S	R, SR, S	R, SR
Balance	D1	D0, D1, D1	D0, D1
Weight (g)	280	277, 279, 280	277, 279

Name of Shaft	MOTORE MF-3942 Shaft		
Flex	R	SR	S
Weight (g)	42	43	44
Torque	4.9	4.8	4.7
Kick Point	Tip & Middle		

- Material / Manufacturing : 4 pieces High Precision Forged Club Head, Face / 6-4 Titanium, Body / G4 Titanium, Tungsten Nickel weight (Changeable)
- Color : Ocean Blue ●Grip (weight) : NV-F1 original light rubber (37 g)
- Manufactured in Japan * The specification and figures may be different from the real product

MACTEC NV-F TYPE-2 DRIVER [NVFTW2] (NV-RED) Correspond Club Head Speed: R(37~40m/s) SR(40~43m/s) S(43m/s up) • NV-Black : S(45m/s up)

Head Type	TYPE2			
Shaft Type	NV-RED		NV-BLACK	
Shaft (") / Volume (cm ³)	45inch / 460cm ³			
Loft (°)	9	10	9	10
Lie (°)	58.5			
Face (°)	0			
Flex	S	R, SR, S	S	
Balance	D2	D0, D1, D2	D2	
Weight (g)	300	294, 297, 300	313	

Name of Shaft	MOTORE MF-4346 Shaft			MOTORE MF-4346 Black Shaft
Flex	R	SR	S	S
Weight (g)	46	48	50	63
Torque	4.3	4.2	4.1	3.7
Kick Point	Middle			Middle

- Material / Manufacturing : 4 pieces High Precision Forged Club Head, Face / 6-4 Titanium, Body / G4 Titanium, Tungsten Nickel weight (Changeable)
- Color : Night Black ●Grip (weight) : NV-F2 original light rubber (46 g)
- Manufactured in Japan * The specification and figures may be different from the real product



NEW

NV-BLUE
FAIRWAY WOOD



NEW

NV-RED
FAIRWAY WOOD

NV-F 球道木杆能达到你期望的飞行距离

NV-F Fairway Wood achieves the flying distance as expected

1 采用三重底部重量分布设计令球腾飞 Triple Plane Sole design for ball flying

为了追求更远的飞距性能，采用三重底部重量分布设计 - 近跟部一侧的底块较厚，而冠部薄至 0.7mm 令重心进一步降低，增强操控性，减少距离损失。

To pursue flying distance, Triple Plane Sole design is adopted - the crown is modified to 0.7mm thickness to set the Centre of gravity further lower and the heel part of the sole thicker to apply better control and reduce loss of distance.



MACTEC NV-F FW TYPE-1 [NVF1FW] (NV-BLUE)

Correspond Club Head Speed: R(35~40m/s) SR(40~43m/s) S(43m/s up)

No.	FW3	FW5	FW7	FW9 (NV-BLUE)
Volume (cm ³)	203	183	156	143
Loft (°)	15	18	21	24
Lie (°)	58.5	59	59.5	60
Shaft (°)	42.5	42	41.5	41
Face (°)	H0.5	H0.5	0	0
Flex		R SR S		
Balance		D0 D0 D1		
Weight (g)	NV-BLUE:309 (FW5, R) 、NV-RED:319 (FW5, R)			

NV-F FW专用杆身素材配合设计

NV-Iron shaft material matching design

2 大型杆头和杯型击球面，使球更易起飞 Larger head with Cup Face allows the ball to fly easily

特大杆头将惯性力率(MOI)增加至最大值，提高挥杆的稳定性，同时，甜蜜点得以从趾部向跟部横向加阔，令出色的飞行距离及稳定的方向性一同兼得。

Large club head that maximizes moment of inertia (MOI), the sweet area enlarged horizontally, results a steady swing that maximize both accuracy & flying distance.



TYPE-2 [NVF2FW] (NV-RED) Correspond Club Head Speed: R(37~40m/s) SR(40~43m/s) S(43m/s up)

NV-BLUE	MN - 4750 fw 杆身			NV-RED	MN - 5053 fw 杆身		
	R	SR	S		R	SR	S
Flex				Flex			
Weight (g)	50	51	52	Weight (g)	53	54	55
Torque (°)	5.5	5.4	5.3	Torque (°)	4.9	4.8	4.7
Kick Point	Tip			Kick Point	Tip & Middle		

- Material / Manufacturing : Face / 450 Maraging Cup Face, Body / 450 Maraging ●Color : NV-Blue / Ocean Blue, NV-Red / Night Black
- Grip (weight) : NV-Blue / NV-F1 original light rubber (37 g); NV-Red / NV-F2 original light rubber (46 g)
- Manufactured in Japan * The specification and figures may be different from the real product

FAIRWAY WOOD NV-F DERIVE THE FORCE

3 稳定的击球率带出准确的飞球 More accurate flying by steady impact

NV-F FW 3号木杆的长度为相对较短的42.5英寸，有较高的稳定率，令球手挥动时感觉较为安心，亦减少因偏打而损失距离的机会，另外，NV-Blue 与 NV-Red 都分别采用了专用的特制杆身，实现出等同使用发球杆的流畅和舒适感觉。

The club length of 3 wood is relatively short as 42.5 inches, it brings with more secure feeling for the Golfer and reduces the chance for miss hit and loss of distance, in addition, the NV-BLUE & NV-RED is respectively featured with own specific shaft achieving a similar comfort swing of the driver.

NV-BLUE球道木桿專用 MOTORE MN-4750桿身 MN-4750 Shaft exclusive for NV-Blue FW



NV-RED球道木桿專用 MOTORE MF-4750桿身 MF-5053 Shaft exclusive for NV-Red FW



具备出色的控球性及理想的飞行距离
Particular performance for both Control and flight distance

NV-Iron 专用杆身素材配合设计 NV-Iron shaft material matching design

1 采用了优良的新材料CS291做出更远的飞行距离 Distance ball flight by the excellent new material CS291

NV-BLUE 型号配以石墨杆身而杆面采用了优良的新材料CS291，以其高回弹性能带出更远的飞球，同时又利用CS291的特强硬度，设计出纤薄的结构。
The graphite shaft NV-Blue model adopted the excellent new material CS291 for the face, in addition, by making use of strength of the material, slim club head design is also applied.

2 低重心设计使球更易起飞 Lower centre of gravity for better ball flight

低重心的设计不单止增加距离，亦更易操控；于杆头底部及跟部嵌入钨钢，将惯性力率提高至最大值数，使飞距及稳定性同时增加。
With the Tungsten at the heel and sole area lowers the CG and maximizes the MOI hence optimizes stable swing for both accuracy and distance.

3 独特的锻造制法带出更准确的飞行弹道 Better ball flight with the special forging method

击球面是以圆铁条锻造四回而制成，完美的飞球距离，打击声及打球感，都是独特的，而加厚杆背，使击球更具舒适感。
The face is four times forging from a circular rod, forming the distance flight, premium impact sound and feeling, and the comfort impact is the reward by adding more thickness applied at the rear part.



NEW
[石墨杆身 Graphite Shaft]
NV-BLUE
IRON

MACTEC NV-F IRON TYPE-1 [NVFI] (NV-BLUE) Correspond Club Head Speed: R(35~40m/s) SR(40~43m/s) S(43m/s up)

No.	#4	#5	#6	#7	#8	#9	#PW	A49	G52	S56	
Loft (°)	22	24	27	30	34	39	44	49	52	56	
Lie (°)	60.5	61	61.5	62	62.5	63	63.5	63.5	63.5	63.5	
Shaft (")	38.5	38	37.5	37	36.5	36	35.5	35.5	35.5	35.5	
F / P (mm)	1.8	2.2	2.5	2.7	2.8	3.0	3.2	3.5	3.5	3.5	
Balance	R/C9、SR/D0、S/D0						R/D0、SR/D1、S/D1	R/D1、SR/D2、S/D2			
Weight (g)	361(#5、SR)										

Name of Shaft	R/MN-5154i Shaft、SR/MN-5356i Shaft、SR/MN-5558i Shaft
Weight (g)	R/54、SR/56、S/58
Torque (°)	R/4.0、SR/3.9、S/3.8
Kick Point	Tip

●Material / Manufacturing : [#4~#PW] Face / Forged CS291, Body / Forged 304 Stainless Steel, Pocket Cavity production, Tungsten Nickel insert (10 g x 2) [A49, G52, S56] Face & Body one piece structure. ●Grip (weight) : NV-F original light rubber (46 g)
●Manufactured in Japan *The specification and figures may be different from the real product



NEW
[钢制杆身 Steel Shaft]
NV-RED
IRON

1 软铁锻造铁杆完全释放力量，更远的飞行距离 Forged soft iron club face releases your power accurately to launch ball flight

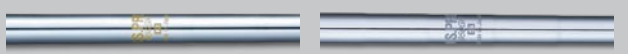
NV-RED 型号配以钢制杆身，杆面以软铁锻造，重点是重视触感和流畅舒适的挥杆，实现强而有力的弹道，更多控球感，延伸球手的敏锐感觉。
The NV-Red with the steel shaft and forged soft iron club face, enhances impact control, performing a stable swing for a strong trajectory.

2 低重心设计使球更易起飞 Lower centre of gravity for better ball flight

低重心设计实现高弹道，保持一贯的飞球距离，其易于操作之特点并不能单从外观就想像得到，既有稳定的操控性，又能带来更远的飞行距离。
Lower the CG performing high trajectory, optimize stable swing for both accuracy and distance.

3 独特的锻造制法带出更准确的飞行弹道 Better ball flight with the special forging method

以圆铁条锻造五回而成的杆头与钢制杆身混成一体，实现了典型软铁锻造杆，在杆背加厚，就更以实现舒适的打球感作为回馈。
The club head is five times forging from a circular rod, unitize with the steel shaft realized the typical forged soft iron face and the comfort impact is the reward by adding more thickness applied at the rear part.



MACTEC NV-F IRON TYPE-2 [NVFINS] (NV-RED) Correspond Club Head Speed: R(39~42m/s) S(42m/s up)

No.	#4	#5	#6	#7	#8	#9	#PW	A49	G52	S56	
Loft (°)	22	24	27	30	34	39	44	49	52	56	
Lie (°)	60.5	61	61.5	62	62.5	63	63.5	63.5	63.5	63.5	
Shaft (")	38.5	38	37.5	37	36.5	36	35.5	35.5	35.5	35.5	
F / P (mm)	1.8	2.2	2.5	2.7	2.8	3.0	3.2	3.5	3.5	3.5	
Balance	R/D0、S/D1						R/D1、S/D2	R/D3、S/D4			
Weight (g)	390 (#5、R)、400 (#5、S)										

Name of Shaft	R/NS850GH、S/NS950GH
Weight (g)	R/87、S/98
Torque (°)	R/2.1、S/1.8
Kick Point	Middle

●Material / Manufacturing : [#4~#PW A49, G52, S56] Face & Body / soft stainless Steel one piece structure. ●Grip (weight) : NV-F original light rubber (46 g)
●Manufactured in Japan *The specification and figures may be different from the real product



NV-BLUE
UTILITY

Mactec NV-F UT [NVFUT] Correspond Club Head Speed: R(35~40m/s) SR(40~43m/s) S(43m/s up)

No.	UT2	UT3	UT4	UT5
Volume (cm ³)	130	125	118	113
Loft (°)	17	20	23	26
Lie (°)	60	60.5	61	61.5
Shaft (")	40.5	40	39.5	39
Face (°)	0			
Flex	R	SR	S	
Balance	D0	D0	D1	
Weight (g) R	331	336	340	344

NV-BLUE	MP-4750ut Shaft		
Flex	R	SR	S
Weight (g)	50	52	54
Torque (°)	4.4	4.3	4.2
Kick Point	Tip & Middle		

●Material / Manufacturing : 450 Maraging Cup Face ●Color : Ocean Blue
●Grip (weight) : NV-F original rubber (46 g) ●Manufactured in Japan

* The specification and figures may be different from the real product

铁杆的挥杆能带来球道木杆的距离
Swing like an Iron with the distance like a Fairway wood

NV-F UT 令球腾飞之2大奥秘

The two factors to help NV-F UT to make a distance flight

1 三重底部重量分布设计令球腾飞 The ball flies by the Triple Plane Sole Design

通过三重底部重量分布设计，改善挥杆，对应不同的着地角都能挥洒自如，减少飞距离损失。

With the Triple Plane Sole Design, a good swing is easily achieved for any Lie angle, distance loss is reduced.

Triple Plane Sole Design

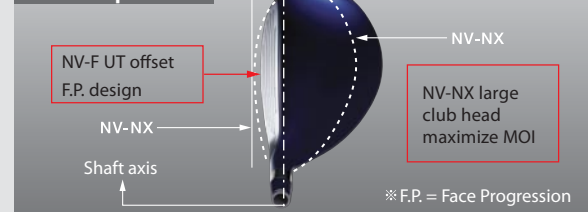


2 杆头体积增大，加强命中率，使球更易起飞 The larger Head size catches the ball easily and sends it fly

特大杆头将惯性力率(MOI)增加至最大值，即使是偏打，仍能发挥出稳而强劲的飞球。

Maximization of moment of inertia (MOI) is achieved by a large Club Head, allows a steady and strong ball flight even a miss hit.

F.P. Comparison



IM-X PUTTER

Mactec IM-X Putter[IMXPT]

IM-X Putter	IM-S X1		IM-S X3		IM-S X5		IM-G X7	
Neck Shape	Oblique Shape							
Loft (°)	3.5	6.0	3.5	6.0	3.5	6.0	3.5	6.0
Lie (°)	70							
Shaft Length (")	34							
Shaft	Steel Shaft							

Head Specifications	IM-S X1	IM-S X3	IM-S X5	IM-G X7
Head Weight (g)	345	348	357	346
MOI	4300gcm ²	3700gcm ²	3900gcm ²	4050gcm ²

- Material / Manufacturing : Head / SS431 Stainless steel, Face Insert / 6061 Aluminum
- Color : Black PVD*
- Finishing : Chrome plated; High Precision CNC processing on Crown, Face, Neck & Sole.
- Grip (weight) : IM-X Putter original rubber grip (59 g)
- *PVD - ion plating

重视正确的使用方法
To Pay attention to the correct way

IM-X 推杆之三大特徵

3 special features of IM-X Putter

1 高倾角推击之选 The choice of a higher loft putt

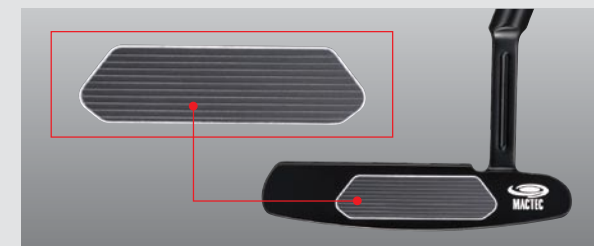
杆面倾角备有传统式的3.5°及略为高抛的6°，可根据个人的推杆习惯自行选择。

The loft is having the orthodox 3.5° and the 6° for the choice of different putting habit.

2 推击面刻上槽沟，带出强大滚动力 Engraved grooves on the face to optimize the rolling power

由于在推击面刻上槽沟，减少了球与推击面的接触面积，有效地降低触球时的后旋，保持释放出的力量不变，使球在草地上顺滑地继续滚动。

By engraved grooves on the face to minimize the contact area with the ball, as a result the back spin is suppressed when impact, so the ball may keep rolling on the grass surface with strength.



3 特色之高精度CNC加工 High Precision CNC processing Feature

杆颈，杆面及冠部通过高精度CNC加工，刻上推击线，明确地指出推击方向，使到瞄准目标更为容易。

With the high precision CNC processing to mark the putting direction with lines on the neck, face sole and crown the alignment design helping a square address to the target.