Pedal

cnc machined and forged mainly or lasercut

pressed steel

Consumer cost low £10 high £70

Crank

forged, cnc machining

pressed/forged and welded

carbon layup moulded

Consumer cost low £300 high £800

Chain Ring

cnc machining /hydraulic press

cnc machining or pressed

Consumer cost

low €6 high €100

Bottom brackets

machined

Consumer cost

low £20 high £300

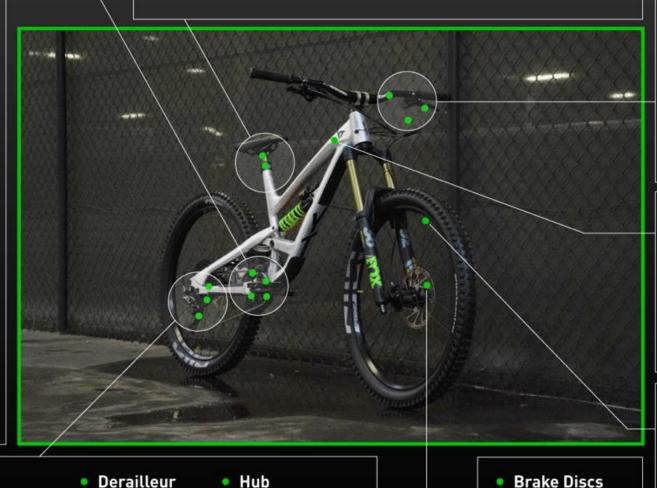
Seat Post

Consumer cost low £5 high £600

hollow forged, cnc machined

Seat Post Clamp Saddle

forged



Handlebar

butted aluminium tubing cnc bending machine

moulded

Consumer cost low £100 high £600c

Brake Levers

Consumer cost low £10 high £120

Frame

cutting and welding of

Consumer cost low £400a high £2000a

Rim

extruded aluminium box sectioned, welded joint or sleeve jointed pinned and welded

carbon layup

Consumer cost low £300a high £3000c

Cassettes

cnc machining

Consumer cost

low £10 high £70

multiple small parts Consumer cost low £5 high £700 • Hub

cnc machined or moulded, free hub bearings

low £10 high £70

Derailleur

Consumer cost

Consumer cost high £60

and pads

cnc machining

stamped and pressed

Frog Bike Components	<b>Current Brand</b>	<u>Material</u>	Volume per bike
Headset	Neco	Aluminium	1
Spacers		Plastic	3
Top Cap	Neco	Aluminium	1
Seat Post		Aluminium	1
Seat post Clamp		Aluminium	1
Saddle		Aluminium rails	1
Handlebars		Aluminium	1
Handlebar Bung		Plastic	2
Gear Shifter			1
Brake Lever	Tektro	Aluminium	2
Grips		Plastic and alumminum locking rings	2
Brake Calliper	Tekto	Aluminium	2
Tyre	Kenda	Rubber	2
Inner Tube	Kenda	Rubber	2
Valve cap	Kenda	Plastic	2
Spokes		Steel	48
Spoke Nipples		Steel	48
Quick Release skewer	Quando	Aluminium	2
Hub	Quando	Aluminium	2
Rim		Aluminium	2
Wheel Reflectors		Plastic	4
Crankset		Aluminium and steel chain ring	1
Bottom Bracket	Thun	Plastic and Steel	1
Chain Guard		Plastic	2
Cassette		Steel	1
Pedal		Rice Husk	2
Rear Derailleur	Shimano or Microshift	Aluminium	1
Chain	KMC	Steel	1
Frames		Aluminium	1
Forks		Aluminium	1





