68 DIFFERENTIATING FEATURES OF TIARACAD WITH RESPECT TO OUR COMPETITION

1.	REDUCTION IN TIME REQUIRED FOR SETTING STONES	
1.1.	1-Click Setting	▪ Placement of gems, grains, cutter and creation of metal – all in 1 click by selecting 1 curve
1.2.	Predefine Setting parameters	▪ No changes required per design

1.3.	Maintain Setting Parameters	▪ Predefine Setting walls, metal thickness, prong diameter and height, distance between diamonds for
		  ○ Prong Head, Bezel head, Collate
		  ○ Plate-prong, Micro-prong, Channel, Pavé and Collate settings
		  ○ Pressure setting, Invisible setting and more

1.4.	Maintain diamond spacing	▪ In a closed curve, just specify the diamond size and as per spacing, the diamonds will be placed correctly by slightly expanding or reducing the original curve ▪ Even if you change the gem size or number of gems, all parameters maintained
1.5.	One change – all parameters retained	▪ Even if the gem angle is changed, metal, grains and cutters all align as per the gem
1.6.	Quick recreation of setting	▪ Even after baking, if a parameter needs to be altered, it is fast to just redo the command ▪ All parameters are maintained while redoing, so just alter as per requirement

1.7.	Speed Builds with accurate carat and metal weight calculations	▪ Eternity Band
		  ○ 6 types of setting including Trellis Setting
		  ○ Exact number of gems calculated under 1 min
		  ○ Modify gem size or gem count to achieve targeted weight under 2 mins
		▪ Halo Setting
		  ○ Center Gem
		    • Up to 12 standard Gem sizes with customisable Gem Proportions and carat
		    • Choose between Bezel, Prong or Collate options
		  ○ Outer Gems
		    • Choose 5 types of Settings
		    • Choose Gem rotation – all the way up to 90o
		▪ Metal Band, Design Band & Heart Pendant with different types of settings
		▪ 7-stone setting of 4 types
		▪ Nose-ring
		▪ Pressure Setting
		▪ Invisible Setting – both open / closed

1.8.	Gem placer on Mesh	▪ Easy to use Gem placer on Surface as well as Mesh with indication of offset gap ▪ + / - keyboard use for change in size. ▪ Gem size only as per gem chart, not random
1.9.	Pearl & Cabochon holders	▪ Pearl has options of simple, grooved, twisted rod ▪ Cabochon has options of Cup, Collate, Bezel
1.10.	Reduce Time of Repetitive work by > 50%	For 1 curve, ▪ Open or closed ▪ creating any setting – plate prong, micro-prong, channel, pavé or collate in under 1 min ▪ Align the same to a surface if desired
2.	REDUCTION IN DESIGNING TIME	
2.1.	All output modifiable	▪ Since all outputs are regular Polysurfaces, the design can be modified as a regular Rhino design
2.2.	Ring Shank Skeleton	▪ Specify the shank width, shank thickness at the top and bottom along with the ring size and the Ring base curves are created
2.3.	Ring Resizer	▪ Polysurface output ▪ No visible deviation in prongs ▪ Gem placement deviation less than 0.02mm
2.4.	Rectangular section Surface Patterns	▪ Option to choose between circular SubD cross-section or ▪ Polysurface with Rectangular section
2.5.	Libraries with 840 + options	▪ 500 + SubD motifs ▪ Beads ▪ Design Stands ▪ Surface Patters ▪ Curves, Ear posts, Clasps, Jump rings, Illusion settings, chain components, chain tags, chain caps and design stands You can add and / or modify the components
2.6.	Supports placement	▪ Choose Size and shape of support ▪ It will be placed as an insert exactly perpendicular to the point on the surface you choose
2.7.	Wall normal to a surface	▪ Using a curve on surface, choose default rectangular wall or choose your own cross section to create designs on a surface in short time
2.8.	Twisted surface	▪ Choose a curve and its thickness and width to generate a twisted metal with flat back
3.	ACCURATE REPORT CALCULATIONS	
3.1.	Customize Master Data	▪ Diamond charts ▪ Metal density charts
3.2.	Customize Size Charts	▪ Rings, Bangles, Broad Bracelets, Loose Bracelets
3.3.	Variable gems as per your chart	▪ No need to revise diamond sizes in excel after CAD ▪ Accurate Bill of Material

3.4.	Accurate Metal Calculations	▪ Using Shrink-Wrap algorithm get estimated weight for
		  ○ CAD
		  ○ Final weight after production losses

3.5.	Customized Gem Map	▪ Specify colors per gem in advance giving uniform color-code across the company
3.6.	Gem Report to ERP	▪ Accurate Gem chart based Gem Report in .csv format ▪ Can be imported into ERP
4.	OTHER ADVANTAGES	
4.1.	Continuous Internet not required	License can be placed ▪ On the device ▪ On a LAN server ▪ On company Rhino account
4.2.	Learning Time	▪ For an experienced CAD operator < 4 hours ▪ Train new staff faster with pre-set parameters