



St. Martin im Innkreis, 20 December, 2013

Recommendation Letter Rafael Ferrin

After one year as direct supervisor of Rafael Ferrin at his work as design engineer for FACC AG, I strongly endorse him for any R&D or design position.

Rafael is one of the most creative and proactive engineers I have met during more than 20 years of experience as industrial designer. Since the very first day he is always eager to participate and offer solutions to every problem, always with a keen perspective and great analysis skills.

These outstanding skills are complemented by an easy going style and team player attitude that has helped to create a good work environment where other designers with less experience feel free to approach him looking for advice and perspective.

Last but not least, Rafael has an interesting background knowledge about other engineering fields that results in a very open perspective to face problems and propose solutions. He has also shown good learning skills working with CATIA, where he has learn from other colleagues and then created his own design procedure that now he is writing into a tutorial for us.

What I like most on Rafael is his unorthodox approach to problems and, resulting from this, his sometimes absolutely surprising solutions.

Some of the concepts started by Rafael during this year:

Concept	Description	status
Balanced bin	adaptive gas spring according to the weight	patenting
weight sensitive catcher	system to add few extra closing force in case of no weight	patenting
groove sliders	system to coordinate rise & turn for a dado table	patenting
D2 hinge	high-stiffness hidden hinge for big tables	integrated in actual project
header mechanism	a mechanism to move down the header when a door turn	integrated in actual project
end stop	simple adjustable end stop limit	integrated in actual project
emergency bin opening	system to open the special bin for the emergency material	integrated in actual project
toilet hinge	simple turning system for a toilet cover	integrated in actual project
steel wire table system	wires & poles system to aid on the raising and alignment of dado tables	integrated in actual project
pilot table	definition of two different deploying systems for a pilot table	integrated in actual project
simple oblique hinge	versatile hidden hinge for thick panels	in repository for future projects
eccentric pins	swing hinge for doors	in repository for future projects
D1 hinge	high-stiffness hidden hinge for big tables	concept developed
Banana hinge	high-stiffness hidden hinge for big tables	concept developed
oblique hinge	versatile hidden hinge for thick panels	concept developed
Leaf hinge	swing hinge for doors	concept developed
steel belt table system	miniature steel belt system to aid on the raising and alignment of dado	concept developed
table leg	periscopic plain leg for three leaves tables	concept developed
divan pull out	pulling out heavy weights from under a divan without touching the floor	concept developed

with kind regards,

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