



## ***Electromagnetic Dent Removal***

***ONSITE REPAIRS IN MINUTES***

COMMERCIAL AVIATION SERVICES | ELECTROMAGNETIC DENT REMOVAL

# Dent Removal

ONSITE REPAIRS IN MINUTES

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REDUCE REPAIR COSTS AND  
INCREASE AIRPLANE AVAILABILITY.

**C**ertified technicians from Boeing Tooling Support can quickly remove dents from commercial aircraft and

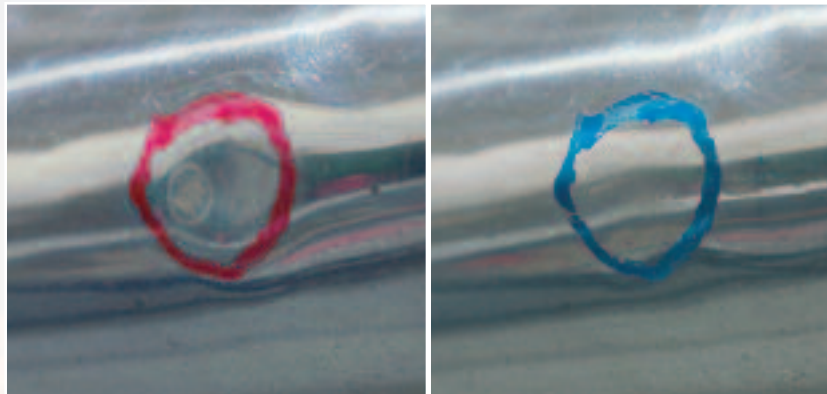


business jets—electromagnetically. There is no need to remove the damaged component. In fact, most repairs can be completed in as little as 15 minutes. You avoid the cost and delay of ordering, installing, and

refinishing replacement parts. Most important of all, your airplane returns to service promptly, ready to earn revenue.

No need to access the rear surface. Electromagnetic dent removal equipment creates powerful electromagnetic fields on both sides of a metal surface, but mechanics need access to only one side.

Because there's no requirement to access the rear surface, there is no need to remove the part or climb inside restrictive spaces.



*The dented edge of a wing is shown before and after its repair using the Electromagnetic Dent Removal process.*



Effective on painted and polished surfaces.

Electromagnetic dent removal is ideal for painted and finished surfaces. There's no hammering, drilling, or clamping, so the process does not mar surface treatments.



Removes dents of all sizes. Perfect for aluminum skins up to one-tenth of an inch thick, electromagnetic dent removal returns surfaces to their original contours, within acceptable limits. The depth of the dent does not inhibit its repair.

100-percent restoration of design strength.

As long as the surface is not scored or creased and no material has been removed, electromagnetic dent removal restores parts to their original strength. You can often achieve the same strength and longevity as a replacement part would provide. You avoid maintenance costs and airplane down time, while sustaining your airplane's residual value.



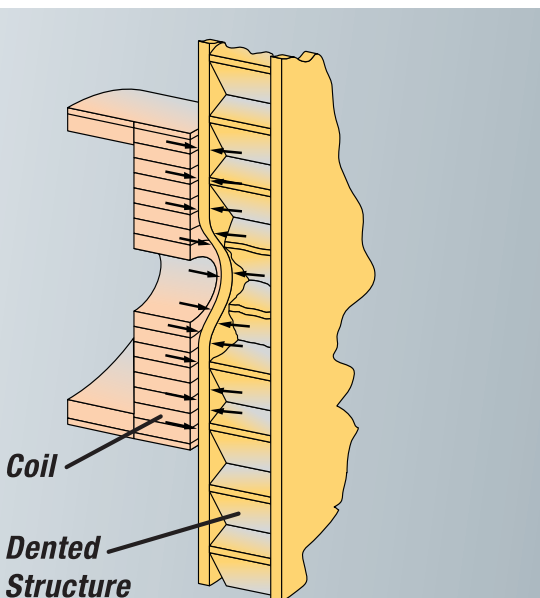
On-site, on-airplane dent repair

- Dents removed in minutes
- Rear surface access not required
- Ideal for painted surfaces
- No footprint or blending
- No residual magnetic fields

For more information about this process or to schedule a repair, contact:

*Electromagnetic Dent Removal*

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extension 222 or 234  
Cell: 562-221-0863  
Fax: 714-890-8235  
E-mail: [mark.a.young2@boeing.com](mailto:mark.a.young2@boeing.com)



*The electromagnetic dent removal unit uses a coil to create strong electromagnetic fields on both sides of a metal surface. Instantaneously collapsing the field on the near side of the surface causes the field on the rear side to push the metal surface toward the coil. The process leaves no residual magnetic fields.*



### **Commercial Airplanes**

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## **Commercial Aviation Services**

*PARTNERS IN FLIGHT*